## Geographic Index of Environmental Articles 1991

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## **Preface**

This index was produced in accordance with the *Environmental Research Geographic Location Information Act*, Public Law 101-617, enacted by the United States Congress on November 16, 1990. Compiled by the U.S. Environmental Protection Agency, it is intended as a quick reference for locating published articles relating to environmental issues for individual geographic locations.

This publication contains an extensive but limited listing of articles from forty-seven journals and five proceedings published during 1991. It is not intended to be an exhaustive listing of all publications and articles about the environment published during that period. Inclusion of the various journals, proceedings, and articles appearing herein does not constitute endorsement by the U.S. EPA.

Individuals may use this resource to locate reference materials covering environmental issues and research relating to various geographical locations around the world. It may be useful in finding literature for such purposes as detecting trends in global or regional environmental quality, assisting the public in learning more about environmental issues in their own communities, or identifying other areas of environmental interest.

Listings contained in this publication are organized in two ways. The first half of the index lists articles according to the geographic locations of their subject matter. The second half presents the same listings organized by the individual source documents in which they appear.

This publication was compiled from numerous journals and proceedings published in 1991. As required by law, the U.S. EPA will periodically update this index to remain current.

## **Acknowledgment**

Staff members of the EPA library in Cincinnati, Ohio, located many of the journals included in this publication.

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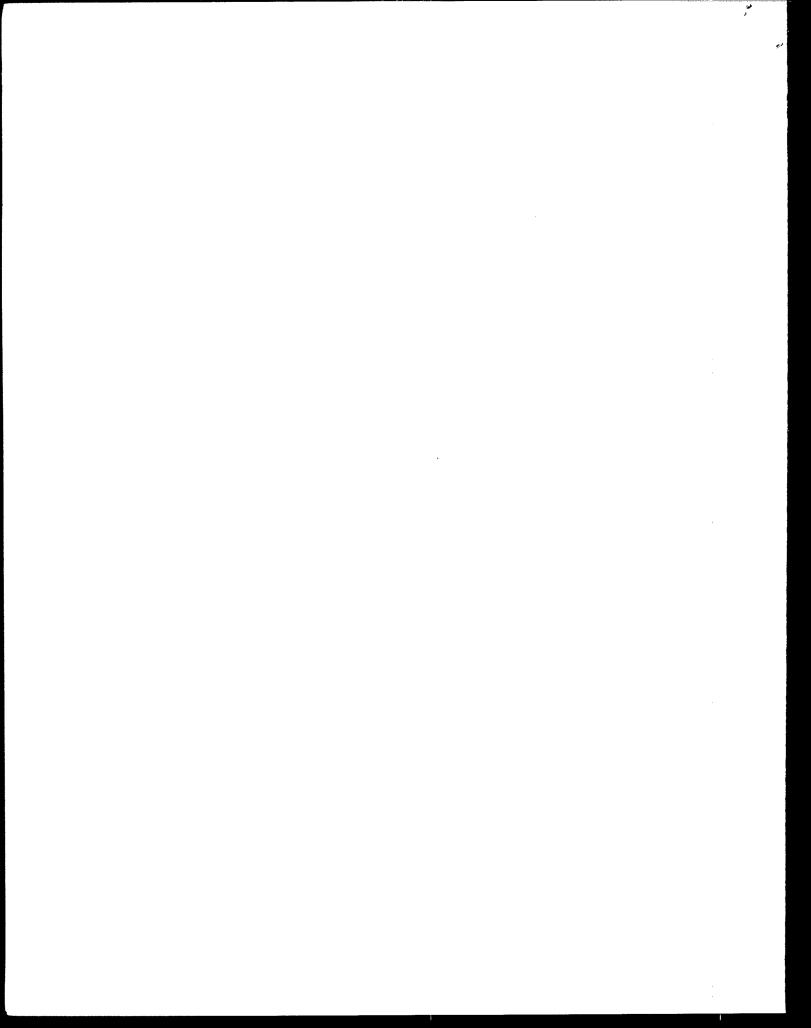
## Sources

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Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium	

## Geographic Index



## **Adirondack Mountains**

Holocene Vegetation Patterns in the Adirondack Mountains *Ecology*, Apr 91, v72, n2, p641

Chemistry of a Near-Shore Lake Region During Spring Snowmelt Environmental Science and Technology, Dec 91, v25, n12, p2024

Potassium Trends in Red Pine Plantations at Pack Forest, New York Soil Science Society of America Journal, May/Jun 91, v55, n3, p841

The Chemical Responses of Acidic Woods Lake, NY to Two Different Treatments with Calcium Carbonate Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p7

Effects of Whole-Lake Base Addition on Thermal Stratification in Three Acidic Adirondack Lakes Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p23

Chloride Cycling in Two Forested Lake Watersheds in the West-Central Adirondack Mountains, New York, U.S.A.

Water, Air, and Soil Pollution, Oct 91, v59, n3/4, p201

Neutralization of Acidic Groundwater Inputs and Control of Metal Mobility by a Near-Shore Adirondack Lake Sediment Water, Air, and Soil Pollution, Nov

Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p149

## **Adriatic Sea**

Inhibition of Release of Phospholipase A<sub>2</sub> from Sponge Cells (Geodia cydonium) by Detergent-Polluted Sea Water. A Sensitive Method to Monitor Marine Pollution Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p751

Long-Term Trends of DDTs and PCBs in Sediment Samples Collected from the Eastern Adriatic Coastal Waters

Bulletin of Environmental Contamination and Toxicology, Dec 91, v47, n6, p864

Levels and Long-Term Trends of Some High Molecular Chlorinated Hydrocarbons in Mussels Collected from the Western Istrian Coastal Waters—Northern Adriatic Sea Chemosphere, 1991, v23 n6, p747

Distribution of Aliphatic Hydrocarbons in Plankton of Adriatic Sea Open Waters Chemosphere, 1991, v23 n7, p925

Phosphorus Loads from Selected Watersheds in the Drainage Area of the Northern Adriatic Sea Journal of Environmental Quality, Apr-Jun 91, v20, n2, p439

#### **Africa**

Use of an A-T-Rich DNA Clone for Identification and Detection of *Peronosclerospora sorghi*Applied and Environmental Microbiology, Jul 91, v57, n7, p2027

Soil Management with Cultivated Fallows in Humid and Subhumid Africa

Canadian Journal of Soil Science, May 91, v71, n2, p147

Industrial Eucalyptus Plantations in the People's Republic of the Congo— Technical, Sociological and Ecological Aspects

"Proceedings of the International Workshop on Large Scale Reforestation," p87

Pesticide Disposal in Guinea-Bissau: A Case History

"Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p151

Toxicity Evaluation of Ammonium Sulphate and Urea to Three Developmental Stages of Freshwater Snails Archives of Environmental Contamination and Toxicology, Sep 91, v21, n3, p359

Lead Contamination in Street Soils of Nairobi City and Mombasa Island, Kenya

Bulletin of Environmental Contamination and Toxicology, May 91, v46, n5, p782

Problems and Potential of Irrigated Agriculture in Sub-Saharan Africa Journal of Irrigation and Drainage Engineering, Mar/Apr 91, v117, n2, p155

## **Alabama**

Measuring the Usable Carbonate Alkalinity of Operating Anaerobic Digesters Research Journal of the Water Pollution Control Federation, 1991, v63, n1, p28

Growth Reductions in Naturally Regenerated Southern Pine Stands in Alabama and Georgia Southern Journal of Applied Forestry, May 91, v15, p73

## Alabama, Montgomery

A Cumulative Examination of the State/EPA Radon Survey "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP6-3

## Alabama, Muscle Shoals

Tennessee Valley Authority National Fertilizer and Environmental Research Center—An Overview "Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p1

Preliminary Studies of Batch Chemical Oxidation of Wastewaters
Containing Agrichemicals
"Proceedings of the International
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#### Alabama, Southwestern

Soil Temperature and Organic Matter in a Disturbed Forested Wetland Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1741

Removal of Floodwater Sediments by a Clearcut Tupelo-Cypress Wetland Water Resources Bulletin, Feb 91, v27, n1, p111

## Alaska

Nutritional Controls Over Nitrogen and Phosphorus Resorption from Alaskan Birch Leaves *Ecology*, Apr 91, v72, n2, p709 History and Pattern of Disturbance in Alaskan Arctic Terrestrial Ecosystems: A Hierarchical Approach to Analysing Landscape Change Journal of Applied Ecology, Apr 91, v28, n1, p244

Secchi Disk and Photometer Estimates of Light Regimes in Alaskan Lakes: Effects of Yellow Color and Turbidity

Limnology and Oceanography, Jan 91, v36, n1, p91

## Alaska, Chukchi Sea

Brine-Induced Advection of Dissolved Aromatic Hydrocarbons to Arctic Bottom Waters Environmental Science and Technology, May 91, v25, n5, p940

## Alaska, North Slope

Effects of Temperature and Substrate Quality on Element Mineralization in Six Arctic Soils Ecology, Feb 91, v72, n1, p242

## Alaska, Prince William Sound

Microbial Populations and Hydrocarbon Biodegradation Potentials in Fertilized Shoreline Sediments Affected by the T/V Exxon Valdez Oil Spill Applied and Environmental Microbiology, Sep 91, v57, n9, p2514

Long Term Effects of Crude Oil on Common Murres (Uria aalge) Following Rehabilitation Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p216

Effect of Bioremediation on the Mutagenicity of Oil Spilled in Prince William Sound, Alaska *Chemosphere*, 1991, v23 n5, p643

Effectiveness of Commercial Microbial Products in Enhancing Oil Degradation in Prince William Sound Field Plots "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p353

## **Antarctica**

Summertime Aerosol Measurements in the Ross Sea Region of Antarctica *Atmospheric Environment*, 1991, v25A, n3/4, p569

Mercury Content of Antarctic Ice and Snow: Further Results Atmospheric Environment, 1991, v25A, n8, p1657

Grounding of the *Bahia Paraiso* at Arthur Harbor, Antarctica. 1. Distribution and Fate of Oil Spill Related Hydrocarbons *Environmental Science and Technology*, Mar 91, v25, n3, p509

Biochemical and Energetic Composition, Population Biology, and Chemical Defense of the Antarctic Ascidian *Cnemidocarpa verrucosa* Lesson

Journal of Experimental Marine Biology and Ecology, 1991, v147, n2, p163

The Effects of Periodic Eutrophication on Parasitism and Stock Identification of *Trematomus bernacchii* (Pisces: Nototheniidae) in McMurdo Sound, Antarctica *Journal of Parasitology*, Aug 91, v77, n4, p551

Heterogeneous Chemistry on Polar Stratospheric Clouds *Atmospheric Environment*, 1991, v25A, n11, p2535

## **Appalachian Mountains**

The Appalachian Mountains' Copper Basin and the Concept of Environmental Susceptibility Environmental Management, Mar/ Apr 91, v15, n2 p179

Cloud Water Deposition to Appalachian Forests Environmental Science and Technology, Jun 91, v25, n6, p1014

Phosphorous Retention in Streams Draining Catchments in the Southern Appalachian Mountains Freshwater Biology, Dec 91, v26, n3, p335

Complex Aquifer-Aquitard Relationships at an Appalachian Plateau Site Ground Water, Mar-Apr 91, v29, n2, p209

Long-Term Ionic Increases from a Central Appalachian Forested Watershed Journal of Environmental Quality, Jan-Mar 91, v20, n1, p250

Spatial Variations of Sapwood Chemistry with Soil Acidity in Appalachian Forests Journal of Environmental Quality, Apr-Jun 91, v20, n2, p486

Nitrogen Effects on Soil Water Extraction by Tall Fescue in Northern Appalachia Journal of Soil and Water Conservation, Mar-Apr 91, v46, n2, p150

High-Elevation Forest Soils of the Southern Appalachians: I. Distribution of Parent Materials and Soil-Landscape Relationships Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1629

High-Elevation Forest Soils of the Southern Appalachians: II. Geomorphology, Pedogenesis, and Clay Mineralogy Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1782

Effects of Forest Fertilization on Stream Water Chemistry in the Appalachians Water Resources Bulletin, Apr 91, v27, n2, p265

#### **Arctic**

Estimating the Atmospheric Deposition of Organochlorine Contaminants to the Arctic *Chemosphere*, 1991, v22 n1-2, p165

Chronology and Sources of Anthropogenic Trace Metals in Sediments from Small, Shallow Arctic Lakes *Environmental Science and Technology*, Dec 91, v25, n12, p2059

## **Argentina**

Agroecosystems Performance in the Semi-Arid Pampas of Argentina and Their Interactions with the Environment

Agriculture, Ecosystems and Environment, Jun 91, v36, n1-2, p23

## Arizona, Central

Oak Influence on Nutrient Availability in Pine Forests of Central Arizona Soil Science Society of America Journal, Jan/Feb 91, v55, n1, p248

Aspect and Species Influences on Nitrogen and Phosphorus Availability in Arizona Chaparral Soils Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1735

## Arizona, Phoenix

Weathering of Selected Degradable Plastic Materials under Outdoor and Laboratory Exposure Conditions "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p225

## Arizona, Salt River

Optimal Stochastic Operation of Salt River Project, Arizona Journal of Water Resources Planning and Management, Sep/Oct 91, v117, n5, p566

## Arizona, Southwestern

Moderate Timber Harvesting Increases Water Yields from an Arizona Mixed Conifer Watershed Water Resources Bulletin, Jun 91, v27, n3, p537

## **Arkansas**

Aspergillus flavus and Aflatoxins B<sub>1</sub>, B<sub>2</sub>, and M<sub>1</sub> in Corn Associated with Equine Death
Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p151

The Arkansas Response to Federal Farm Program Opportunities Journal of Soil and Water Conservation, Jul-Aug 91, v46, n4, p272

## Arkansas, Eastern

Persistence of Selected Pesticides in Ground-Water Samples Ground Water, Mar-Apr 91, v29, n2, p225

## Arkansas, Jefferson

The Incineration of Lead-Contaminated Soil Related to the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (Superfund)
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Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p66

U.S. EPA Incineration Research Facility Update "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p674

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Urbanization and Urban Water Problems in Southeast Asia: a Case of Unsustainable Development Journal of Environmental Management, Apr 91, v32, n3, p195

## **Atlantic Ocean**

Polycyclic Aromatic Hydrocarbons in Harp Seals (*Phoca groenlandica*) from the Northwest Atlantic Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p135

Organochlorine Levels in North Atlantic Right Whale (Eubalaena glacialis) Blubber Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p141

Distribution of Methanesulfonate, NSS Sulfate and Dimethylsulfide over the Atlantic and the North Sea Atmospheric Environment, 1991, v25A, n3/4, p587

Background Aerosol and Electric Conductivity of Marine Atlantic Air Atmospheric Environment, 1991, v25A, n3/4, p597

Chlorinated Organic Compounds in the Troposphere Over the Western North Atlantic Ocean Measured by Aircraft Atmospheric Environment, 1991, v25A, n8, p1507 An Assessment of Terrestrial Higher Molecular Weight Lipid Compounds in Aerosol Particulate Matter over the South Atlantic from About 30-70°S *Chemosphere*, 1991, v23 n4, p447

## **Australia**

Epidemiology of Salmonella sofia in Australia Applied and Environmental Microbiology, Jan 91, v57, n1, p223

Phenotypic Characterization of CO<sub>2</sub>-Requiring Strains of *Streptococcus bovis* from Koalas

Applied and Environmental Microbiology, Oct 91, v57, n10, p3037

Bacterial Nitrification in Chloraminated Water Supplies Applied and Environmental Microbiology, Nov 91, v57, n11, p3399

A Field Study of the Impact on Oysters of Tributyltin Introduction and Removal in a Pristine Lake Archives of Environmental Contamination and Toxicology, Feb 91, v20, n2, p276

Lead, Mercury, and Cadmium in Feathers of Tropical Terns in Puerto Rico and Australia Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p311

Application of a Directional Dust Gauge to Measurement of Impaction of Atmospheric Salt Atmospheric Environment, 1991, v25A, n10, p2211

The Use of Thymol as a Biocide in Rainwater Samples *Atmospheric Environment*, 1991, v25A, n12, p2677

Effects of Soil Moisture on Shrub Seedling Survival in a Semi-Arid Grassland *Ecology*, Jun 91, v72, n3, p1138

Environmental Care in Agricultural Catchments: Toward the Communicative Catchment Environmental Management, Nov/ Dec 91, v15, n6 p773 Transference of Marine Fouling Communities between Polluted and Unpolluted Sites: Impact on Structure Environmental Pollution, 1991, v72 n2, p89

Risk, Biology and Drought Management Strategies for Cattle Stations in Central Australia

Journal of Environmental Management, Jul 91, v33, n1, p17

Tourism Development and Environmental Limitations at Heron Island, Great Barrier Reef Journal of Environmental Management, Sep 91, v33, n2, p117

Tracing the Influence on Sediments of Organic Waste from a Salmonid Farm Using Stable Isotope Analysis Journal of Experimental Marine Biology and Ecology, 1991, v145, n2, p161

The Role of Intertidal Mudbanks in the Diagenesis and Export of Dissolved and Particulate Materials from the Fly Delta, Papua New Guinea Journal of Experimental Marine Biology and Ecology, 1991, v149, n1, p81

Effect of Temperature on Carbon, Nitrogen and Phosphorus Turnover by the Solitary Ascidian Herdmania momus (Savigny) Journal of Experimental Marine Biology and Ecology, 1991, v152, n1, p15

Land Degradation in Australia: The Search for a Legal Remedy Journal of Soil and Water Conservation, Jul-Aug 91, v46, n4, p256

Design of Sewage-Treatment Plants in Brisbane, Australia Journal of the Institution of Water and Environmental Management, Feb 91, v5, n1, p58

Flour Quality Tests for Selected Wheat Cultivars and Their Relationship to Arabic Bread Quality Journal of the Science of Food and Agriculture, 1991, v54, n1, p99

Effect of Relative Humidity and Chlorophenol Content on the Fungal Conversion of Chlorophenols to Chloroanisoles in Fibreboard Cartons Containing Dried Fruit Journal of the Science of Food and Agriculture, 1991, v54, n4, p595

Polycyclic Aromatic Hydrocarbons in Air, Soil and Vegetation in the Vicinity of an Urban Roadway *Science of the Total Environment*, 1991, v102, p229

A Government Role in Better Environmental Management Science of the Total Environment, 1991, v108 p51

The Role of Economics in Environmental Policy Science of the Total Environment, 1991, v108 p61

International Environmental Sustainability: Policy and Law Science of the Total Environment, 1991, v108 p123

Weathering Assessment of Heavy Minerals in Age Sequences of Australian Sandy Soils Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p427

Foaming in Activated Sludge Plants: A Survey in Queensland, Australia, and an Evaluation of Some Control Strategies

Water Research, Mar 91, v25, n3, p313

Incidence of Legionella in the Urban Environment in Australia Water Research, Apr 91, v25, n4, p393

Extractable PAH in Waters from Rivers in South-Eastern Australia Water Research, Sep 91, v25, n9, p1145

Net In Situ Growth Rates of Phytoplankton in an Oligotrophic, Tropical Shelf Ecosystem Limnology and Oceanography, Jan 91, v36, n1, p13

## **Austria**

A One-Year Record of Ozone Profiles in an Alpine Valley (Zillertal/Tyrol, Austria, 600-2000 m a.s.l.) Atmospheric Environment, 1991, v25A, n9, p1759

Reduction of PCDD/PCDF Emissions from a Waste Incineration Facility by a Full Scale DeNox-Unit *Chemosphere*, 1991, v22 n5-6, p569

#### **Bahamas**

Distribution of Actinomycetes in Near-Shore Tropical Marine Sediments Applied and Environmental Microbiology, Apr 91, v57, n4, p1102

#### Bahrain

Estimation of Inorganic Particulate Matter in the Atmosphere of Isa Town, Bahrain, by Dry Deposition *Atmospheric Environment*, 1991, v25B, n3, p397

Coastal Zone Management in Bahrain: an Analysis of Social, Economic and Environmental Impacts of Dredging and Reclamation Journal of Environmental Management, Jun 91, v32, n4, p335

The Quality of Groundwater in Bahrain Science of the Total Environment, Apr 15, 91, v103, n2&3, p177

#### **Baltic Sea**

Horizontal Variation of Bacterioplankton in the Baltic Sea Applied and Environmental Microbiology, Nov 91, v57, n11, p3150

Parasite Frequency and Liver Anomalies in Three-Spined Stackleback, *Gasterosteus aculeatus* (L.), after Long-Term Exposure to Pulp Mill Effluents in Marine Mesocosms Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p505

Occurrence and Dynamics of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans and Polycyclic Aromatic Hydrocarbons in the Mixed Surface Layer of Remote Coastal and Offshore Waters of the Baltic Environmental Science and Technology, Nov 91, v25, n11, p1850

## Belgium

A Model of Emission Trading for Minimizing the Cost of Air Pollution Control from Belgian Power Plants Journal of Environmental Management, Jun 91, v32, n4, p367

Model for Assessment of Lead Content in Human Surface Enamel Journal of Toxicology and Environmental Health, 1991, v32, n2, p111

Air-Pollution-Induced Weathering of Slates Science of the Total Environment, 1991, v105, p121

Radon in Belgium: The Current Situation and Plans for the Future "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-87

## Bermuda

Heterogeneous Sulfur Conversion in Sea-Salt Aerosol Particles: The Role of Aerosol Water Content and Size Distribution Atmospheric Environment, 1991, v25A, n8, p1479

Estimates of Ground Level TSP, SO<sub>2</sub> and HCL for a Municipal Waste Incinerator to be Located at Tynes Bay, Bermuda

Journal of the Air and Waste Management Association, Apr 91, v41, n4, p429

## **Botswana**

Major Ion Chemistry of the Lower Boro River, Okavango Delta, Botswana Freshwater Biology, Dec 91, v26, n3, p481

Coincidence of Well Fields and Tectonic Basins in the Precambrian Shield Area of Southeast Botswana Ground Water, Nov-Dec 91, v29, n6, p869

#### Brazil

On-Line DDT Determination in Blood Serum: Experimental Parameters Bulletin of Environmental Contami-

Bulletin of Environmental Contamination and Toxicology, Dec 91, v47, n6, p804 Reactivity of Phosphorus in Northeastern Brazilian Soils Assessed by Isotopic Dilution Soil Science Society of America Journal, Jan/Feb 91, v55, n1, p140

Liming Effects on the Stability and Erodibility of Some Brazilian Oxisols Soil Science Society of America Journal, Sep/Oct 91, v55, n5, p1407

Mercury Dispersal in Water, Sediments and Aquatic Biota of a Gold Mining Tailing Deposit Drainage in Pocone, Brazil Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p283

Brain Acetylcholinesterase as an *In Vitro* Detector of Organophosphorus and Carbamate Insecticides in Water *Water Research*, Jul 91, v25, n7, p835

Anaerobic Treatment of Cannery Industry Wastewaters "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p395

The Need for Reforestation "Proceedings of the International Workshop on Large Scale Reforestation," p81

## California

Spatial and Temporal Variability of Rime Ice and Snow Chemistry at Five Sites in California Atmospheric Environment, 1991, v25A, n5/6, p915

Chemical Mass Balancing with III Defined Sources: Regional Apportionment in the California Desert *Atmospheric Environment*, 1991, v25A, n8, p1547

Deposition of Atmospheric Ions to Pine Branches and Surrogate Surfaces in the Vicinity of Emerald Lake Watershed, Sequoia National Park Atmospheric Environment, 1991, v25A, n10, p2203

Enzyme Immunoassay for the Determination of Atrazine Residues in Soil Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p30

Bensulfuron Methyl Dissipation in California Rice Fields, and Residue Levels in Agricultural Drains and the Sacramento River Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p131

A Simple Adsorption/Dilution Model for Rice Herbicides Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p244

Biogeochemistry of Arsenic in Natural Waters: The Importance of Methylated Species Environmental Science and Technology, Mar 91, v25, n3, p420

"Where's the Benzene?"—Examining California Ground-Water Surveys *Ground Water*, Jan-Feb 91, v29, n1, p35

An Analysis of Biomedical Waste Incineration

Journal of the Air and Waste Management Association, Sep 91, v41, n9, pi 180

Annual Average Radon Concentrations in California Residences Journal of the Air and Waste Management Association, Sep 91, v41, n9, p1207

Climatic Sensitivity of California Water Resources Journal of Water Resources Planning and Management, Jan/Feb 91, v117, n1, p108

Model Aggregation for the California State Water Project Journal of Water Resources Planning and Management, Sep/Oct 91, v117, n5, p549

Zooplankton Effects on Phytoplankton in Lakes of Contrasting Trophic Status *Limnology and Oceanography*, Jan 91, v36, n1, p64

## California, Central

Lessons Learned from the Loma Prieta Earthquake American Water Works Association Journal, Nov 91, v83, n11, p34 Point vs. Photo Quadrat Estimates of the Cover of Sessile Marine Organisms Journal of Experimental Marine Biology and Ecology, 1991, v146, n2, p193

Sociotechnical Analysis of Irrigation Drainage in Central California Journal of Water Resources Planning and Management, Mar/Apr 91, v117, n2, p217

Evaluation of Asbestos Release from Building Demolition Following the October 1989 California Earthquake "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p477

Cross-shelf Transport Causes Recruitment to Intertidal Populations in Central California Limnology and Oceanography, Mar 91, v36, n2, p279

## California, Central Valley

The Emission of (Z)-3-Hexen-1-ol, (Z)-3-Hexenylacetate and Other Oxygenated Hydrocarbons from Agricultural Plant Species Atmospheric Environment, 1991, v25A, n5/6, p1063

Orchard Dormant Sprays and Exposure of Red-Tailed Hawks to Organophosphates Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p717

## California, Claremont

The Measurement of Atmospheric Hydrochloric Acid in Southern California Atmospheric Environment, 1991, v25A, n2, p525

#### California, Coast

Measuring Realized Niche Spaces: Climatic Response of Chaparral and Coastal Sage Scrub Ecology, Oct 91, v72, n5, p1678

## California, Elkhorn Slough

Temporal and Spatial Patterns in Abundance and Diversity of Fish

Assemblages in Elkhorn Slough, California Estuaries, Dec. 91, v14, n4, p465

## California. Fresno

Transformation and Sorption of 1,2-Dibromo-3-Chloropropane in Subsurface Samples Collected at Fresno, California *Journal of Environmental Quality*, Jul-Sep 91, v20, n3, p547

## California, Glendora

Intercomparison of Atmospheric Nitric Acid Measurements at Elevated Ambient Concentrations *Atmospheric Environment*, 1991, v25A, n2, p393

## California, Los Angeles

Remote Biological Monitoring in an Open Finished-Water Reservoir American Water Works Association Journal, Sep 91, v83, n9, p107

Restriction Enzyme Analysis of Listeria monocytogenes Strains Associated with Food-Borne Epidemics

Applied and Environmental Microbiology, Apr 91, v57, n4, p969

Optical Counter Response to Monodisperse Atmospheric Aerosols Atmospheric Environment, 1991, v25A, n2, p463

The Sources and Size Distributions of Organonitrates in Los Angeles Aerosol *Atmospheric Environment*, 1991, v25A, n12, p2855

Hydrogen Peroxide Levels in Los Angeles: A Screening-Level Evaluation Atmospheric Environment, 1991, v25B, n1, p67

Associations of Daily Mortality and Air Pollution in Los Angeles County Environmental Research, Apr 91, v54, n2, p99

Chemical Composition of Emissions from Urban Sources of Fine Organic Aerosol

Environmental Science and Technology, Apr 91, v25, n4, p744

Los Angeles Summer Midday Particulate Carbon: Primary and Secondary Aerosol Environmental Science and Technology, Oct 91, v25, n10, p1788

Turning Off the Tap Journal of Environmental Health, Jan/Feb 91, v53, n4, p27

Chemical Fixation of Sewage Sludge Derived Ash Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n3, p353

Treatment of VOC-Contaminated Groundwater by Hydrogen Peroxide and Ozone Oxidation Research Journal of the Water Pollution Control Federation, 1991, v63, n2, p120

Relationships Between Metal Concentrations and Crown Corrosion in Los Angeles County Sewers Research Journal of the Water Pollution Control Federation, 1991, v63, n5, p789

Regulation of Liquid Hauled Wastes in Los Angeles County "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p121

Development of a Standard Sampling System for the Detection of Volatile Combustible Materials in Industrial Discharges to Public Sewerage Systems "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p127

Removal of Toxic Organics from Wastewater Generated in Tank Truck Washing Facilities "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p163

Use of Tailored Zeolites for Removal of Benzene and Toluene from Water "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p509

## California, Marina Del Ray

Investigation of Beach Contamination Using Tracer Journal of Environmental Engineering, Jan/Feb 91, v117, n1, p101

## California, Monterey

Pesticide Occurrence and Distribution in Fog Collected near Monterey, California Environmental Science and Technology, Jan 91, v25, n1, p155

## California, Northern

Low-Pressure Membrane Filtration for Removing Giardia and Microbial Indicators American Water Works Association Journal, Sep 91, v83, n9, p97

## California, Pasadena

Aerosol Formation in the Photooxidation of Isoprene and b-Pinene *Atmospheric Environment*, 1991, v25A, n5/6, p997

## California, Riverside

Emission of Linalool from Valencia Orange Blossoms and Its Observation in Ambient Air Atmospheric Environment, 1991, v25A, n7, p1377

Atmospheric Lifetimes of Dibenzo-p-dioxins and Dibenzofurans Science of the Total Environment, May 1, 91, v104, n1&2, p17

Evolution of Trimethylarsine by a *Penicillium* sp. Isolated from Agricultural Evaporation and Water *Science of the Total Environment*, 1991, v105, p13

## California, Sacramento Valley

Application of Toxicity Identification Evaluation Procedures to the Ambient Waters of the Colusa Basin Drain, California Environmental Toxicology and Chemistry, 1991, v10, n7, p891

## California, San Diego

Biodegradation of Monoaromatic Hydrocarbons in Groundwater under Denitrifying Conditions Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p230

## California, San Francisco

Use of Comparative Choice Paradigm in Governmental Design Review: a Case Study

Journal of Environmental Management, Dec 91, v33, n4, p351

The Effects of Salinity, Temperature, and Photoperiod on Epitokal Metamorphosis in *Neanthes succinea* (Frey et Leuckart) from San Francisco Bay *Journal of Experimental Marine Biology and Ecology*, 1991, v149, n2, p177

Seasonal Variations and Trends in Concentrations of Filter-collected Polycyclic Aromatic Hydrocarbons (PAH) and Mutagenic Activity in the San Francisco Bay Area Journal of the Air and Waste Management Association, Mar 91, v41, n3, p276

## California, San Joaquin Valley

Minimizing Contamination Hazards to Waterbirds Using Agricultural Drainage Evaporation Ponds *Environmental Management*, Nov/Dec 91, v15, n6 p785

Determination of Trace Metals in Saline Irrigation Drainage Waters with Inductively Coupled Plasma Optical Emission Spectrometry after Preconcentration by Chelation-Solvent Extraction Environmental Science and Technology, Oct 91, v25, n10, p1704

Calibration of a Texture-Based Model of a Ground-Water Flow System, Western San Joaquin Valley, California Ground Water, Sep-Oct 91, v29, n5,

Salinity and Boron Tolerances of Candidate Plants for the Removal of Selenium from Soils Journal of Environmental Quality, Jan-Mar 91, v20, n1, p157

p702

Designing and Managing the San Joaquin Valley Air Quality Study Journal of the Air and Waste Management Association, Sep 91, v41, n9, p1176

Selenium Mobility and Distribution in Irrigated and Nonirrigated Alluvial Soils

Soil Science Society of America Journal, Sep/Oct 91, v55, n5, p1313

Selenate Reduction in an Alluvial Soil Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1597

Soil Selenium Fractionation, Depth Profiles and Time Trends in a Vegetated Site at Kesterson Reservoir Water, Air, and Soil Pollution, Aug 91, v57-58, p31

Selenium Detoxification in Wetlands by Permanent Flooding: I. Effects on a Macroalga, an Epiphytic Herbivore, and an Invertebrate Predator in the Long-Term Mesocosm Experiment at Kesterson Reservoir, California Water, Air, and Soil Pollution, Aug 91, v57-58, p43

## California, San Pedro

Demonstration of In Situ Steam and Hot-air Stripping Technology Journal of the Air and Waste Management Association, Jun 91, v41, n6, p873

## California, Santa Barbara County

The Effects of Substrate Texture, Grazing, and Disturbance on Macroalgal Establishment in Streams Ecology, Feb 91, v72, n1, p297

## California, Sequoia National Park

Kinetics of Weathering in Soils from a Subalpine Watershed Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1767

## California, Sierra Nevada

Increased Precipitation Acidity in the Central Sierra Nevada *Atmospheric Environment*, 1991, v25A, n2, p271

Subalpine Tree Growth, Climate, and Increasing CO<sub>2</sub>: An Assessment of Recent Growth Trends *Ecology*, Feb 91, v72, n1, p1

Acidification Potential of Snowpack in Sierra Nevada Journal of Environmental Engineering, Jul/Aug 91, v117, n4, p472

Site-Specific Erosivity Evaluation of a Sierra Nevada Forested Watershed Soil Journal of Environmental Quality, Apr-Jun 91, v20, n2, p396

## California, Southern

Protecting Museum Collections from Soiling Due to the Deposition of Aerosol Particles

Atmospheric Environment, 1991, v25A, n5/6, p841

Sulfur Dioxide, Hydrogen Sulfide, Total Reduced Sulfur, Chlorinated Hydrocarbons and Photochemical Oxidants in Southern California Museums Atmospheric Environment, 1991, v25A, n8, p1497

Hydrochloric Acid: A Regional Perspective on Concentrations and Formation in the Atmosphere of Southern California Atmospheric Environment, 1991, v25A, n10, p2091

A Characterization of the Principal PM-10 Species in Claremont (Summer) and Long Beach (Fall) During SCAQS

Atmospheric Environment, 1991, v25A, n10, p2173

Fire Intensity Effects on Germination of Shrubs and Herbs in Southern California Chaparral *Ecology*, Dec 91, v72, n6, p1993

Rare Earth Elements in Sediments Off Southern California Environmental Science and Technology, Feb 91, v25, n2, p310

Peroxypropionyl Nitrate at a Southern California Mountain Forest Site Environmental Science and Technology, Apr 91, v25, n4, p653

Ambient Levels of Formaldehyde, Acetaldehyde, and Formic Acid in Southern California: Results of a One-Year Base-Line Study Environmental Science and Technology, Apr 91, v25, n4, p710

Air Pollution in Southern California Museums: Indoor and Outdoor Levels of Nitrogen Dioxide, Peroxyacetyl Nitrate, Nitric Acid, and Chlorinated Hydrocarbons Environmental Science and Technology, May 91, v25, n5, p857

Methylchloroform and Tetrachloroethylene in Southern California, 1987-1990 Environmental Science and Technology, Nov 91, v25, n11, p1930

Delineation of a Discontinuous Aquitard with Vertical Electrical Soundings, San Bernardino Valley, Southern California Ground Water, May-Jun 91, v29, n3, p418

Public Priorities for Evaluating Air Quality Management Measures Journal of Environmental Management, Oct 91, v33, n3, p205

Public Priorities for Efficiency in Air Quality Management Journal of Environmental Management, Oct 91, v33, n3, p223

Public Values for Equity in Air Quality Management Journal of Environmental Management, Oct 91, v33, n3, p239

Evaluation of the Effects of Emission Reductions on Secondary Particulate Matter in the South Coast Air Basin of California Journal of the Air and Waste Management Association, May 91, v41,

n5, p702

Morphologic Development and Clay Redistribution in Lysimeter Soils under Chaparral and Pine Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1638

Using Ground Water Basins as Storage Facilities in Southern California Water Resources Bulletin, Oct 91, v27, n5, p841 Evaluation of Discharges from a Hazardous Waste Facility to a POTW "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p169

Geological Parameters in Radon Risk Assessment—A Case History of Deliberate Exploration "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p9-59

The Flushing of Two Deep-sea Basins, Southern California Borderland Limnology and Oceanography, Sep 91, v36, n6, p1150

Responses of Fish and Macrobenthic Assemblages to Hydrologic Disturbances in Tijuana Estuary and Los Peñasquitos Lagoon, California Estuaries, Mar 91, v14, n1, p80

## California, Sunnyvale

The Evaluation of an Advanced Reverse Osmosis System at the Sunnyvale, California, Hewlett-Packard Facility "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p162

## California, Vallejo

Complex Factors in Hydrocarbon/ Water, Soil/Water and Fish/Water Partitioning Science of the Total Environment, 1991, v109/110, p155

## California, Ventura

Atmospheric Fate of Toxic Aromatic Compounds
Science of the Total Environment,
1991, v100, p367

## Canada

Occurrence of Giardia and Cryptosporidium spp. in Surface Water Supplies Applied and Environmental Microbiology, Sep 91, v57, n9, p2610

Giardia and Cryptosporidium spp. in Filtered Drinking Water Supplies Applied and Environmental Microbiology, Sep 91, v57, n9, p2617

The Toxicity of Chlorothalonil to Aquatic Fauna and the Impact of its Operational Use on a Pond Ecosystem

Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p1

Radiological Abnormalities Among Sheet-Metal Workers in the Construction Industry in the United States and Canada: Relationship to Asbestos Exposure Archives of Environmental Health, Jan/Feb 91, v46, n1, p30

Transport of the Fungicide Chlorothalonil from Its Operational Use on a Pond Ecosystem Bulletin of Environmental Contamination and Toxicology, Jun 91, v46, n6, p822

Deaths of Canada Geese Following Spraying of Turf with Diazinon Bulletin of Environmental Contamination and Toxicology, Jun 91, v46, n6, p852

Propachlor and N-Isopropylaniline Residues in Onions (Allium cepa) and Muck Soils Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p104

Solubility and Retention of Phosphate in Soils of the Northwestern Canadian Prairie

Canadian Journal of Soil Science,
Nov 91, v71, n4, p453

Formation of Loose and Cemented B Horizons in Podzolic Soils: Evaluation of Biological Actions from Micromorphological Features, C/N Values and <sup>14</sup>C Datings Canadian Journal of Soil Science, Nov 91, v71, n4, p485

Secondary Production of Benthic Stream Invertebrates in Agricultural Watersheds with Different Land Management Practices Chemosphere, 1991, v23 n1, p57

An Updated Assessment of the Exposure of Canadians to Dioxins and Furans *Chemosphere*, 1991, v23 n11-12, p1661

Climatically Induced Change in Fire Frequency in the Southern Canadian Rockies *Ecology*, Feb 91, v72, n1, p194

Reversion of Forest to Tundra in the Central Yukon *Ecology*, Feb 91, v72, n1, p202

Regulation of Discharge of Organochlorines from Pulp Mills in Canada Environmental Management, Mar/ Apr 91, v15, n2 p195

Temporal Changes in Wetland Landscapes of a Section of the St. Lawrence River, Canada Environmental Management, Mar/ Apr 91, v15, n2 p241

Spatial and Temporal Patterns of Organic Contaminants in Wet Precipitation in Atlantic Canada Environmental Science and Technology, Jul 91, v25, n7, p1249

Environmental Factors Influencing Chlorophyll v. Nutrient Relationships in Lakes Freshwater Biology, Apr 91, v25, n2, p279

Multivariable Environmental Inferences Based on Diatom Assemblages from Sudbury (Canada) Lakes Freshwater Biology, Oct 91, v26, n2, p251

Spatial and Temporal Variability of Ozone Exposure in Forested Areas of the United States and Canada: 1978-1988

Journal of the Air and Waste Management Association, May 91, v41, n5, p694

## Canada, Alberta

Formation and Removal of Assimilable Organic Carbon During Biological Treatment

American Water Works Association Journal, Dec 91, v83, n12, p69

Reverse Sample Genome Probing, a New Technique for Identification of Bacteria in Environmental Samples of DNA Hybridization, and Its Application to the Identification of Sulfate-Reducing Bacteria in Oil Field Samples Applied and Environmental Microbiology, Nov 91, v57, n11, p3070

Effect of Carbofuran on Selected Macroinvertebrates in a Prairie Parkland Pond: An Enclosure Approach Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p270

Photochemical Oxidant Concentrations in Two Canadian Prairie Cities: Model Evaluation Atmospheric Environment, 1991, v25B, n2, p243

Effects of Simulated Field Spraying of Carbofuran, Carbaryl and Dimethoate on Pheasant and Partridge Chicks

Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p113

Grazing Impacts on Soil Water in Mixed Prairie and Fescue Grassland Ecosystems of Alberta Canadian Journal of Soil Science, Aug 91, v71, n3, p313

The Nature and Origin of Nodules in Podzolic Soils from Alberta Canadian Journal of Soil Science, Nov 91, v71, n4, p411

Impact of a Subsurface Volcanic-Ash Layer on the Properties of a Southern Alberta Soil with Shallow Water Table Canadian Journal of Soil Science, Nov 91, v71, n4, p495

Design, Management, and Key Accomplishments of a Coordinated Environmental Research Program on Acidic Deposition Environmental Management, Jul/Aug 91, v15, n4 p497

Ozone and the Clean Troposphere: Ecological Implications Environmental Pollution, 1991, v70 n2, p157

On Management of Ground Water in Ross Creek Basin, Alberta, Canada Journal of Water Resources Planning and Management, Mar/Apr 91, v117, n2, p195 Evolution of the Pesticide Container Disposal Program in Alberta "Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p161

## Canada, Arctic

Development of Soil Structure in Some Turbic Cryosols in the Canadian Low Arctic Canadian Journal of Soil Science, Feb 91, v71, n1, p11

Brown Snow: A Long-Range Transport Event in the Canadian Arctic Environmental Science and Technology, Feb 91, v25, n2, p280

## Canada, British Columbia

Reforestation in British Columbia "Proceedings of the International Workshop on Large Scale Reforestation," p29

An Objective Urban Heat Storage Model and Its Comparison With Other Schemes Atmospheric Environment, 1991, v25B, n3, p311

Effects of Two Crop Rotations on Seasonal Runoff and Soil Loss in the Peace River Region Canadian Journal of Soil Science, Nov 91, v71, n4, p533

Railway Right-of-Way Contaminants in the Lower Mainland of British Columbia: Polycyclic Aromatic Hydrocarbons Journal of Environmental Quality, Jan-Mar 91, v20, n1, p228

Dioxin Contamination and Growth and Development in Great Blue Heron Embryos Journal of Toxicology and Environmental Health, 1991, v32, n3, p331

Radon Studies in British Columbia, Canada "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-61

Characterization of a Dense, Purple Sulfur Bacterial Layer in a Mcromictic Salt Lake Limnology and Oceanography, Jul 91, v36, n5, p846

## Canada, Manitoba

Cadmium, Copper, and Lead in Soils and Garden Produce near a Metal Smelter at Flin Flon, Manitoba Bulletin of Environmental Contamination and Toxicology, May 91, v46, n5, p790

A Cross-Sectional Survey of Indoor Radon Concentrations in 966 Housing Units at the Canadian Forces Base in Winnipeg, Manitoba "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-47

Fate and Acute Toxicity of Bromoxynil Esters in an Experimental Prairie Wetland Environmental Toxicology and Chemistry, 1991, v10, n3, p395

## Canada, New Brunswick

Brain Acetylcholinesterase Activity in Forest Songbirds Exposed to a New Method of UULV Fenitrothion Spraying Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p25

Contamination of Ponds by Fenitrothion during Forest Spraying Bulletin of Environmental Contamination and Toxicology, Jun 91, v46, n6, p815

Estimating Off-Target Spray Deposition on the Ground Following the Aerial Application of Glyphosate for Conifer Release in New Brunswick Journal of Environmental Science and Health—Pesticides, Food Contaminants, and Agricultural Wastes, 1991, vB26, n2 p185

## Canada, Newfoundland

Effect of Oil-Contaminated Sediment on the Longhorn Sculpin (Myoxocephalus octodecemspinosus) Following Chronic Exposure Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p63

## Canada, Northwest Territories

Distribution Characteristics of Trace Elements and Ionic Species of Aerosol Collected at Canadian High Arctic Atmospheric Environment, 1991, v25A, n12, p2903

## Canada, Nova Scotia

Restriction Enzyme Analysis of Listeria monocytogenes Strains Associated with Food-Borne Epidemics Applied and Environmental Microbiology, Apr 91, v57, n4, p969

Effects of the Herbicide Glyphosate on Nitrogen Cycling in an Acid Forest Soil Water, Air, and Soil Pollution, Dec 91, v60, n3/4, p231

## Canada, Ontario

Environmental Persistence and Impact of Diflubenzuron in a Forest Aquatic Environment Following Aerial Application Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p313

Dissipation of Atrazine on a Clay Loam Soil, Ontario, Canada Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p41

Dissipation of Cyanazine and Metolachlor on a Clay Loam Soil, Ontario, Canada Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p253

Pesticide and Polychlorinated Biphenyl Residues in Waters at the Mouth of the Grand, Saugeen, and Thames Rivers, Ontario, Canada Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p585

The Production of Atmospheric NO<sub>x</sub> and N<sub>2</sub>O from a Fertilized Agricultural Soil Atmospheric Environment, 1991, v25A, n9, p1961

Atmospheric Concentrations and Temporal Variations of C<sub>1</sub>-C<sub>3</sub> Carbonyl Compounds at Two Rural Sites in Central Ontario Atmospheric Environment, 1991, v25A, n9, p2001

Organochlorine Insecticide and Polychlorinated Biphenyl Residues in Martens and Fishers from the Algonquin Region of South-Central Ontario

Bulletin of Environmental Contamination and Toxicology, Mar 91, v46, n3, p368

Cadmium Uptake from Cadmium-Spiked Sediments by Four Freshwater Invertebrates

Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p70

Comparative Study of Cadmium and Lead Accumulations in *Cambarus bartoni* (Fab.) (Decapoda, Crustacea) from an Acidic and a Neutral Lake *Bulletin of Environmental Contamination and Toxicology*, Jul 91, v47, n1, p91

Survey of Farm Wells for Nutrient and Minerals, Ontario, Canada, 1986 and 1987

Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p146

Degradation of Parent Compounds of Nine Organophosphorus Insecticides in Ontario Surface and Ground Waters under Controlled Conditions Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p374

Distribution of 1,3-Dichloropropene and 1,2-Dichloropropane in Big Creek Watershed Bulletin of Environmental Contami-

nation and Toxicology, Oct 91, v47, n4, p572

Effect of Natural Levels of Dissolved Organic Carbon (DOC) on Methyl Mercury Formation and Sediment-Water Partitioning Bulletin of Environmental Contamination and Toxicology, Nov 91, v47,

n5, p743

Intercropping Red Clover with Silage Corn for Soil Erosion Control Canadian Journal of Soil Science, May 91, v71, n2, p137

Coplanar Polychlorinated Biphenyl Residues in Human Adipose Tissue Samples from Ontario Municipalities Chemosphere, 1991, v22 n11, p1019

<sup>226</sup>Ra and Other Radionuclides in Water, Vegetation, and Tissues of Beavers (*Castor canadensis*) from a Watershed Containing U Tailings near Elliot Lake, Canada *Environmental Pollution*, 1991, v69 n4, p277

Evaluating the Multimedia Fate of Organic Chemicals: A Level III Fugacity Model Environmental Science and Technology, Mar 91, v25, n3, p427

Bioconcentration of Chlorinated Aromatic Hydrocarbons in Aquatic Macrophytes Environmental Science and Technology, May 91, v25, n5, p924

Ground-Water Contamination from Two Small Septic Systems on Sand Aquifers Ground Water, Jan-Feb 91, v29, n1, p82

The Depth of Fractures and Active Ground-Water Flow in a Clayey Till Plain in Southwestern Ontario Ground Water, May-Jun 91, v29, n3, p405

Investigation of Possible Contamination of Shallow Ground Water by Deeply Injected Liquid Industrial Wastes Ground Water Monitoring Review.

Ground Water Monitoring Review, Winter 91, v11, n1, p151

The Disposable E-Log Ground Water Monitoring Review, Fall 91, v11, n4, p126

Landfill Leachate Recirculation: Effects on Vegetation Vigor and Clay Surface Cover Infiltration Journal of Environmental Quality, Jan-Mar 91, v20, n1, p17

Phosphorus and Nitrogen Export from Forested Stream Catchments in Central Ontario Journal of Environmental Quality, Oct-Dec 91, v20, n4, p857

Droplet Size Spectra and Deposits of Bacillus thuringiensis Aerial Sprays, Following Application at Two Volume Rates over an Oak Forest Journal of Environmental Science and Health—Pesticides, Food Contaminants, and Agricultural Wastes, 1991, vB26, n5&6 p653

The Case for a Cause-Effect Linkage Between Environmental Contamination and Development in Eggs of the Common Snapping Turtle (Chelydra s. serpentina) from Ontario, Canada Journal of Toxicology and Environmental Health, 1991, v33, n4, p521

Growth and Survival of Stocked Lake Trout with Nuclear Cataracts in Lake Ontario

North American Journal of Fisheries Management, Summer 91, V11, n3, p429

The Role of Humic Substances in the Mobilization of Mercury from Watersheds Water, Air, and Soil Pollution, Apr 91, v56, p349

Lead in Boreal Soils and Food Plants Water, Air, and Soil Pollution, Aug 91, v57-58, p79

Faunal Effects on the Distribution of Gamma Emitting Radionuclides in Four Forested Soils *Water, Air, and Soil Pollution, Aug* 91, v57-58, p521

Contribution of Zooplankton to the Total Cadmium Pool in Canadian Shield Lakes Varying in Acidity *Water, Air, and Soil Pollution, Aug* 91, v57-58, p635

Evaluating Inputs of Heavy Metal Contaminants and Phosphorus to Lake Ontario from Hamilton Harbour Water, Air, and Soil Pollution, Oct 91, v59, n3/4, p281

Floristic Changes in Soil Algae and Cyanobacteria in Reclaimed Metal-Contaminated Land at Sudbury, Canada

Water, Air, and Soil Pollution, Dec 91, v60, n3/4, p381

Attitudes Towards Artificial Wetlands in Ontario for Stormwater Control and Waterfowl Habitat Water Resources Bulletin, Jun 91, v27, n3, p419

Biological Treatment of Wastewater from Byproduct Coking Operations: An Innovative Approach "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p751

## Canada, Ottawa

Partitioning and Transport of Lead-210 in the Ottawa River Watershed Water, Air, and Soil Pollution, Oct 91, v59, n3/4, p311

Laboratory Column Measurement of VOC Retardation Factors and Comparison with Field Values Ground Water, Mar-Apr 91, v29, n2, p260

## Canada, Prince Edward Island

Iron Status of Crops in Prince Edward Island and Effect of Soil pH on Plant Iron Concentration Canadian Journal of Soil Science, May 91, v71, n2, p197

## Canada, Quebec

Potential Impacts of a CO<sub>2</sub>-Induced Climate Change Using the GISS Scenario on Agriculture in Quebec, Canada

Agriculture, Ecosystems and Environment

Agriculture, Ecosystems and Environment, May 91, v35, n4, p327

Risk Factors for Contamination of Domestic Hot Water Systems by Legionellae Applied and Environmental Microbiology, Aug 91, v57, n8, p2360

Coplanar PCBs in Human Milk in the Province of Quebec, Canada: Are They More Toxic than Dioxin for Breast Fed Infants?

Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p491

Sorption and Desorption of Orthophosphate and Pyrophosphate by Mineral Fractions of Soils, Goethite, and Kaolinite Canadian Journal of Soil Science, Aug 91, v71, n3, p327

PCDDs, PCDFs and PCBs in Human Milk of Women Exposed to a PCB Fire and of Women from the General Population of the Province of Quebec, Canada Chemosphere, 1991, v23 n11-12, p1831

Reduced Postfire Tree Regeneration Along a Boreal Forest/Forest-Tundra Transect in Northern Quebec Ecology, Apr 91, v72, n2, p619

The Influence of Island and Mainland Lakeshore Landscapes on Boreal Forest Fire Regimes *Ecology*, Dec 91, v72, n6, p1980

Experimental Evaluation of Mercury Release from Flooded Vegetation and Soils Water, Air, and Soil Pollution, Apr 91, v56, p607

Simulation of Solution Chemistry in an Acidic Forest Soil Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p11

## Canada, Saskatchewan

Distribution and Plant Availability of Soil Copper Fractions in Saskatchewan Canadian Journal of Soil Science, Feb 91, v71, n1, p89

Enumeration of Sulfur-Oxidizing Populations in Saskatchewan Agricultural Soils Canadian Journal of Soil Science, Feb 91, v71, n1, p127

Lower Limit of Available Water for Three Plant Species Grown on a Medium-Textured Soil in Southwestern Saskatchewan Canadian Journal of Soil Science, May 91, v71, n2, p247

Effect of Crop Rotations and Cultural Practices on Soil Organic Matter, Microbial Biomass and Respiration in a Thin Black Chernozem Canadian Journal of Soil Science, Aug 91, v71, n3, p363

Effect of Crop Rotations and Fertilization on Soil Organic Matter and Some Biochemical Properties of a Thick Black Chernozem Canadian Journal of Soil Science, Aug 91, v71, n3, p377

Plant Availability of Zn Fractions in Saskatchewan Soils Canadian Journal of Soil Science, Nov 91, v71, n4, p507

Thirty-Year Crop Rotations and Management Practices Effects on Soil and Amino Nitrogen Soil Science Society of America Journal, May/Jun 91, v55, n3, p739

Kinetics of the Desorption of Mercury from Selected Freshwater Sediments as Influenced by Chloride Water, Air, and Soil Pollution, Apr 91, v56, p533

Removal of Cadmium and Chromium from Wastewater Using Fly Ash "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p517

## Chernobyl

Empirical Scavenging Coefficients of Radioactive Substances Released from Chernobyl Atmospheric Environment, 1991, v25A, n2, p263

#### Chile

High Cadmium Residues Observed during a Pilot Study in Shorebirds and Their Prey Downstream from the El Salvador Copper Mine, Chile Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p242

Element Distribution of Some Soils of Continental Chile and the Antarctic Peninsula. Projection to Atmospheric Pollution

Water, Air, and Soil Pollution, Aug
91, v57-58, p713

## China

Molecular Marker Study of Extractable Organic Matter in Aerosols from Urban Areas of China Atmospheric Environment, 1991, v25A, n10, p2111

A Lagrangian Backward Trajectory Model and Its Application to the Study of Acid Rain in the Emei Mountainous District Atmospheric Environment, 1991, v25B, n1, p59 Wintertime Measurements of Aerosol Acidity and Trace Elements in Wuhan, a City in Central China Atmospheric Environment, 1991, v25B, n1, p113

Toxicity of Nickel and Nickel Electroplating Water to the Freshwater Cladoceran Moina macrocopa Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p448

Environmental Influences on Bamboo Bashania fangiana Growth and Implications for Giant Panda Conservation Journal of Applied Ecology, Dec 91, v28, n3, p855

Potential Mobilities of Elements in Suspended Matter in Major Rivers of China Water, Air, and Soil Pollution, Aug 91, v57-58, p467

Background Concentrations of Elements in Soils of China Water, Air, and Soil Pollution, Aug 91, v57-58, p699

Interim Environmental Guidelines for Cadmium and Mercury in Soils of China Water, Air, and Soil Pollution, Aug 91, v57-58, p733

Historical Changes of Soil Metal Background Values in Select Areas of China Water, Air, and Soil Pollution, Aug 91, v57-58, p755

Assessing Effects of Acid Deposition in Southwestern China Using the Magic Model Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p83

Factors Affecting the Relationship Between the NBOD Values and the Amounts of Nitrogenous Pollutants: A Field Study of the Lee River Water Research, Apr 91, v25, n4, p485

Cyclic Peptide Hepatotoxins from Freshwater Cyanobacterial (Bluegreen Algae) Waterblooms Collected in Central China Environmental Toxicology and Chemistry, 1991, v10, n3, p313

## Colorado

HVAC System Complications and Controls for Radon Reduction in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-85

## Colorado, Clear Creek

Detection of Poly(ethylene Glycol) Residues from Nonionic Surfactants in Surface Water by <sup>1</sup>H and <sup>13</sup>C Nuclear Magnetic Resonance Spectrometry Environmental Science and Technology, Jan 91, v25, n1, p161

## Colorado, Colorado Springs

A Comparison of Indoor Radon Concentrations Between Preconstruction and Post-Construction Mitigated Single Family Dwellings

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p8-3

## Colorado, Denver

Process Selection for Potable Reuse Health Effects Studies American Water Works Association Journal, Nov 91, v83, n11, p52

Size-Segregated Fine Particle Measurements by Chemical Species and Their Impact of Visibility Impairment in Denver Atmospheric Environment, 1991, v25A, n5/6, p1013

Remote Sensing Measurements of Carbon Monoxide Emissions Journal of the Air and Waste Management Association, Jan 91, v41, n1, p39

Environmental Impact Mitigation Under the Clean Water Act and the National Environmental Policy Act: The Case of Two Forks Dam Water Resources Bulletin, Apr 91, v27, n2, p293

Use of Innovative Technologies During the Cleanup of the Denver Radium Superfund Site "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p29

## Colorado, Larimer County

Household Hazardous Waste Journal of Environmental Health, May/Jun 91, v53, n6, p18

## Colorado, Northwestern

Identification of Dissolved-Constituent Sources in Mine-Site Ground Water Using Batch Mixing Water Resources Bulletin, Feb 91, v27, n1, p93

## Colorado, Rocky Mountains

The Response of Subalpine Forests to Spruce Beetle Outbreak in Colorado *Ecology*, Feb 91, v72, n1, p213

Hydrologic Pathways and Chemical Composition of Runoff during Snowmelt in Loch Vale Watershed, Rocky Mountain National Park, Colorado, USA Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p107

## Connecticut

Application of Ground-Penetrating-Radar Methods in Hydrogeologic Studies *Ground Water*, May-Jun 91, v29, n3, p375

Regulation of Radon Professionals by States: the Connecticut Experience and Policy Issues "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p7-25

#### Connecticut, New Haven

A Critique of the Role of Ectomycorrhizas in Forest Ecology Agriculture, Ecosystems and Environment, Apr 91, v35, n2-3, p171

#### Connecticut, New Milford

Anaerobic Treatment of Food Additive Wastewater in a Fluidized-Bed Reactor "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p425

## Connecticut, Newtown

Acid Aerosol Measurements at a Suburban Connecticut Site *Atmospheric Environment*, 1991, v25A, n3/4, p681

## Connecticut, Stonington

Re-Establishment of Melampus bidentatus (Say) and Other Macroinvertebrates on a Restored Impounded Tidal Marsh: Comparison of Populations Above and Below the Impoundment Dike Journal of Experimental Marine Biology and Ecology, 1991, v152, n1, p33

#### Costa Rica

Effects of Geothermal Groundwater on Nutrient Dynamics of a Lowland Costa Rican Stream Ecology, Jun 91, v72, n3, p951

Land-Use Changes Affecting Classification of a Costa Rican Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1621

Structure and Dynamics of Mangrove Forests Along a Flooding Gradient *Estuaries*, Mar 91, v14, n1, p49

## Croatia

Technological Enhancement of Radon Daughter Exposures Due to Non-nuclear Energy Activities "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p9-33

#### Cuba

Mercury Pollution Caused by a Chlor-Alkali Plant Water, Air, and Soil Pollution, Apr 91, v56, p83

## Czechoslovakia

Comparison of Enzyme-Linked Immunosorbent Assay and High-Performance Liquid Chromatography for the Analysis of Atrazine in Water from Czechoslovakia Archives of Environmental Contamination and Toxicology, Sep 91, v21, n3, p365

Polychlorinated Biphenyls in the Hydrosphere of Czechoslovakia *Chemosphere*, 1991, v23 n3, p269

Project TOCOEN. The Fate of Selected Organic Compounds in the Environment. Part VII. PCBs, PCDDs and PCDFs in Ambient Air in Czechoslovakia Chemosphere, 1991, v23 n8-10, p1345

PCDD, PCDF and PCB Levels in Stack Emissions from Czecho-Slovak Waste Burning Facilities Chemosphere, 1991, v23 n8-10, p1473

A Method of Approach to Landscape Stability. Part 2: Ecooptimization of Experimental Territorial Landscape Segment in Bohemian Forest Environmental Management, Mar/ Apr 91, v15, n2 p215

Exposure Limits for Occupational and Environmental Chemical Pollutants in Various Media *Science of the Total Environment*, 1991, v101, p45

Mercury Levels in the Components of the Environment and Diets Science of the Total Environment, 1991, v101, p79

Environmental Genotoxicity Monitoring Using Salmonella typhimurium Strains as Indicator System Science of the Total Environment, 1991, v101, p139

Organochlorine Herbicides in Drinking and Surface Waters Science of the Total Environment, 1991, v101, p173

Cancer Incidence and Geochemical Factors in the Environment Science of the Total Environment, 1991, v106, p155

VAM Populations in Relation to Grass Invasion Associated with Forest Decline Environmental Pollution, 1991, v73 n3&4, p263

## **Delaware Estuary**

Spatial and Temporal Variations in Terrestrially-derived Organic Matter from Sediments of the Delaware Estuary Estuaries, Dec. 91, v14, n4, p414

## Delaware, New Castle

Long-Path FTIR Measurements of Volatile Organic Compounds in an Industrial Setting Journal of the Air and Waste Management Association, Aug 91, v41, n8, p1062

## Delaware, Wilmington

Treatability Study Results on Soil Contaminated with Heavy Metals, Thiocyanates, Carbon Disulfate, Other Volatile and Semivolatile Organic Compounds "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p692

#### Denmark

Pathways and Microbiology of Thiosulfate Transformations and Sulfate Reduction in a Marine Sediment

Applied and Environmental Micro

Applied and Environmental Microbiology, Mar 91, v57, n3, p847

Cancer Incidence Among Foundry Workers in Denmark Archives of Environmental Health, Mar/Apr 91, v46, n2, p75

Regional and Temporal Variation in pH, Alkalinity and Carbon Dioxide in Danish Streams, Related to Soil Type and Land Use *Freshwater Biology*, Jun 91, v25, n3, p419

Separation of Gaseous and Particulate Dry Deposition of Sulfur at a Forest Edge in Denmark Journal of Environmental Quality, Apr-Jun 91, v20, n2, p460

Contribution of Zooplankton Grazing to the Decline of a *Ceratium* Bloom *Limnology and Oceanography*, Sep 91, v36, n6, p1091

## Egypt

Silicon, Aluminium, Iron, Copper and Zinc Levels in Desert Soil-related Dust Deposits in Cairo Atmospheric Environment, 1991, v25B, n2, p213

Contribution of Cane Bagasse Used as a Fuel in the Sugar Industry to Changes in Outdoor and Indoor Air Quality in Middle Egypt Atmospheric Environment, 1991, v25B, n3, p407 Residue Levels of Chlorinated Hydrocarbon Compounds in Water and Sediment Samples from Nile Branches in the Delta, Egypt Journal of Environmental Science and Health—Pesticides, Food Contaminants, and Agricultural Wastes, 1991, vB26, n1 p15

Irrigation of Small-Level Basins in Egypt Journal of Irrigation and Drainage Engineering, May/Jun 91, v117, n3, p361

Vertical Leakage in Egypt's Nile Valley: Estimation and Implications Journal of Irrigation and Drainage Engineering, Jul/Aug 91, v117, n4, p515

Spectrophotometric Determination of Phosphate in Waters of Egypt Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p27

Growth Criteria of Two Common Cyanobacteria Isolated from Egyptian Flooded Soil, as Influenced by Some Pesticides

Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p107

#### **Finland**

Heptachlor, Heptachlor Epoxide, and Other Chlordane Compounds in Finnish Plywood Workers Archives of Environmental Health, Nov/Dec 91, v46, n6, p340

High Nitrogen Deposition Causes Changes in Amino Acid Concentrations and Protein Spectra in Needles of the Scots Pine (*Pinus sylvestris*) Environmental Pollution, 1991, v72 n2, p103

Postlabeling Analysis of Polycyclic Aromatic Hydrocarbon-DNA Adducts in White Blood Cells of Foundry Workers Journal of Toxicology and Environmental Health, 1991, v34, n2, p177

Mercury Concentrations in an Aquatic Ecosystem During Twenty Years Following Abatement of the Pollution Source Water, Air, and Soil Pollution, Apr 91, v56, p323 Specific Rates of Net Methylmercury Production in Lake Sediments Water, Air, and Soil Pollution, Apr 91, v56, p595

Needle and Lichen Sulphur Analyses on Two Industrial Gradients Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p153

Bioavailability of Organic Pollutants in Boreal Waters with Varying Levels of Dissolved Organic Material Water Research, Apr 91, v25, n4, p455

The Use of Indoor Radon Measurements and Geological Data in Assessing the Radon Risk of Soil and Rock in Construction Sites in Tampere

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-71

## Florida

Decline of Citrus Due to Presence of Landfill Gases in the Soil Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p165

Intrusion Indices—A Measure of Groundwater Quality Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n6, p899

Relation Between Phosphorus and Iron in Florida Phosphatic Soils Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p554

Noncrystalline Phosphates in Florida Phosphatic Soils Soil Science Society of America Journal, May/Jun 91, v55, n3, p665

An Evaporation/Degradation System for Pesticide Equipment Rinse Water "Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p28

A Modeling Examination of Parameters Affecting Radon and Soil Gas Entry Into Florida-Style Slab-on-Grade Houses

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p5-3

Radon Entry Into Dwellings Through Concrete Floors "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p5-29

Correlation Between Short- and Long-Term Indoor Radon Concentrations in Florida Houses "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL3-21

## Florida, Central

Effects of Citrus Agriculture on Ridge Lakes in Central Florida Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p125

## Florida, Crystal River

Factors that Influence Water Exchange in Spring-fed Tidal Canals *Estuaries*, Dec. 91, v14, n4, p404

## Florida, East Central

Non-Point Source Loadings of Nutrients and Dissolved Organic Carbon from an Agricultural-Suburban Watershed in East Central Florida Water Research, Apr 91, v25, n4, p363

Spawning of the Red Drum in Mosquito Lagoon, East-Central Florida *Estuaries*, Mar 91, v14, n1, p74

## Florida, Eastern

Orientation of Hatchling Loggerhead Turtles at Sea Off Artificially Lighted and Dark Beaches Journal of Experimental Marine Biology and Ecology, 1991, v149, n1, p1

#### Florida, Everglades

Compliance with Fixed-Itinerary Systems in Water-Based Parks Environmental Management, Mar/ Apr 91, v15, n2 p235 Phosphorus Concentrations in Drainage Water in the Everglades Agricultural Area Journal of Environmental Quality, Jul-Sep 91, v20, n3, p608

Evapotranspiration Estimation for Data-Short Environment Journal of Irrigation and Drainage Engineering, Jan/Feb 91, v117, n1, p107

Water Quality Trends at Inflows to Everglades National Park Water Resources Bulletin, Feb 91, v27, n1, p59

## Florida, Gainesville

Microbial and Chemical Responses to Pulsed and Gradual Acid Additions in Dark- and Clear-Lake Enclosures Water Research, Sep 91, v25, n9, p1079

## Florida, Indian River

Habitat-Specific Growth of Hard Clams Mercenaria mercenaria (L.) from the Indian River, Florida Journal of Experimental Marine Biology and Ecology, 1991, v147, n2, p245

Assimilation of Malathion in the Indian River Estuary, Florida Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p238

## Florida, Jacksonville

Impact of Toll Removal on Air Particulate Concentration in Jacksonville, Florida Journal of the Air and Waste Management Association, Dec 91, v41, n12, p1601

## Florida, Miami

Full-Scale Electron Beam Treatment of Hazardous Wastes—Effectiveness and Costs "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p539

High Energy Electron Beam Irradiation: An Emerging Technology for the Removal of Hazardous Organic Chemicals from Water and Sludge— An Introduction "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p416

Recovery of Lung Pyridine Nucleotides Following Acute Exposure of Adult and Aged Rats to Ozone Journal of Toxicology and Environmental Health, 1991, v34, n1, p115

#### Florida, Northwestern

Aqueous Geochemistry of the Sandand-Gravel Aquifer, Northwest Florida Ground Water, Jan-Feb 91, v29, n1, p47

## Florida, Orlando

Radon in Large Buildings: Pre-Construction Soil Radon Surveys "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-15

## Florida, Pensacola

Biodegradation of Creosote and Pentachlorophenol in Contaminated Groundwater: Chemical and Biological Assessment Applied and Environmental Microbiology, May 91, v57, n5, p1277

Detoxification of Pentachlorophenol and Creosote Contaminated Ground-water by Physical Extraction: Chemical and Biological Assessment Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p233

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Solid-Phase Bioremediation

Environmental Science and Technology, Jun 91, v25, n6, p1045

Bench-Scale Evaluation of Alternative Biological Treatment Processes for the Remediation of Pentachlorophenol- and Creosote-Contaminated Materials: Slurry-Phase Bioremediation

Environmental Science and Technology, Jun 91, v25, n6, p1055

## Florida, Port St. Lucie

Estimation of Hydraulic Conductivity Values in a Coastal Aquifer Ground Water, Mar-Apr 91, v29, n2, p175

## **France**

Microbial Activity in GAC Filters at the Choisy-le-Roi Treatment Plant American Water Works Association Journal, Feb 91, v83, n2, p62

Incidence and Causes of Carbon Monoxide Intoxication: Results of an Epidemic Survey in a French Department

Archives of Environmental Health, Nov/Dec 91, v46, n6, p373

One-Year Measurements of PAN in the Paris Basin: Effect of Meteorological Parameters Atmospheric Environment, 1991, v25A, n9, p1941

A Two-Year Study of Ozone Behaviour at Rural and Forested Sites in Eastern France Atmospheric Environment, 1991, v25A, n10, p2145

Cadmium and Membrane Ion Transport in a French Urban Male Population Bulletin of Environmental Contamination and Toxicology, Dec 91, v47, n6, p850

The Biological Aspects of the Regulatory Control of Industrial Effluents in France Chemosphere, 1991, v22 n5-6, p625

Drinking Water Pollution by Polychlorinated Biphenyls in the Paris Area (France)

Chemosphere, 1991, v23 n11-12, p1637

Contribution of Grazing in Phytoplankton Overall Losses in a Shallow French Lake Freshwater Biology, Jun 91, v25, n3, p515

Evaluation of Total Atmospheric Deposition of Pb, Cd, Cu and Zn to the Ligurian Sea Science of the Total Environment, 1991, v105, p135 Seasonal Cycle of Polychlorinated Biphenyls in the Waters of the Catchment Basin of the River Seine (France) Water, Air, and Soil Pollution, Oct 91, v59, n3/4, p217

Effect of Storage Conditions and Subcellular Fractionation of Fish Liver on Cytochrome *P*-450-Dependent Enzymatic Activities Used for the Monitoring of Water Pollution *Water Research*, Feb 91, v25, n2, p173

Faecal Contamination of Rural Water Supply in the Sahelian Area Water Research, Aug 91, v25, n8, p923

Biological Foams in Activated Sludge Plants: Characterization and Situation Water Research, Nov 91, v25, n11, p1399

Daily Rhythms in the River Seine: Relative Impacts of Natural and Anthropogenic Factors Water Research, Dec 91, v25, n12, p1523

Three Different Generic Landfill Topographies and Their Management "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p593

Toxicity of Cu, Ni and Alkylbenzene Sulfonate (LAS) on the Naturally Occurring Bacteria in the Rhône River Plume Environmental Toxicology and Chemistry, 1991, v10, n5, p641

## Georgia

Drainage-Subirrigation Effect on Water Quality in Georgia Flatwoods Journal of Irrigation and Drainage Engineering, Jan/Feb 91, v117, n1, p123

Maize Populations with Resistance to Field Contamination by Aflatoxin B, Journal of the Science of Food and Agriculture, 1991, v54, n2, p235

Growth Reductions in Naturally Regenerated Southern Pine Stands in Alabama and Georgia Southern Journal of Applied Forestry, May 91, v15, p73

## Georgia, Athens

Evaluating Toxicity of Speciated Metals from Metal Discharging Industries "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p739

## Georgia, Eastern

Comparison of Denitrification in Two Riparian Soils Soil Science Society of America Journal, Jul/Aug 91, v55, n4, p994

## Georgia, Lake Oglethorpe

Differential Survival of Bacteria Ingested by Zooplankton from a Stratified Eutrophic Lake Limnology and Oceanography, Jul 91, v36, n5, p829

## Georgia, Ogeechee River

Bacterivory by Sestonic Protists in a Southeastern Blackwater River *Limnology and Oceanography*, Jul 91, v36, n5, p873

## Georgia, Piedmont

Runoff and Sediment Production from Burned Forest Sites in the Georgia Piedmont Water Resources Bulletin, Jun 91, v27, n3, p485

## Georgia, Tifton

Water Balance Components in the Georgia Coastal Plain: A GLEAMS Model Validation and Simulation Journal of Soil and Water Conservation, Nov-Dec 91, v46, n6, p450

#### Germany

Analysis of Legionella pneumophila Serogroup 6 Strains Isolated from a Hospital Warm Water Supply over a Three-Year Period by Using Genomic Long-Range Mapping Techniques and Monoclonal Antibodies Applied and Environmental Microbiology, Nov 91, v57, n11, p3226

Diversification of Cadmium-Binding Proteins Due to Different Levels of Contamination in Arion lusitanicus Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p132 Zymosan-Induced Chemiluminescence of Aveolar Macrophages: Depression by Inorganic Dust Constituents Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p51

Prefledging Terns (Sterna paradisaea, Sterna hirundo) as Bioindicators for Organochlorine Residues in the German Wadden Sea Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p102

Cormorants (Phalacrocorax carbo sinensis) as Bioindicators for Polychlorinated Biphenyls Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p536

Diurnal Variation of Monoterpene Concentrations in Open-Top Chambers and in the Welzheim Forest Air, F.R.G Atmospheric Environment, 1991, v25A, n2, p251

Airborne C<sub>1</sub>- and C<sub>2</sub>-Halocarbons at Four Representative Sites in Europe *Atmospheric Environment*, 1991, v25A, n2, p257

Uncertainties in Surface Ozone Trend at Hohenpeissenberg *Atmospheric Environment*, 1991, v25A, n2, p511

Characterization of Environmental Aerosols on Heligoland Island Atmospheric Environment, 1991, v25A, n3/4, p581

Wind Tunnel Modeling of Heavy Gas Dispersion Atmospheric Environment, 1991, v25A, n7, p1189

Detailed Design Features of a New Wind Tunnel for Studying the Effects of Thermal Stratification Atmospheric Environment, 1991, v25A, n7, p1257

Spectra of Longitudinal Turbulence Measured in a Boundary Layer Wind Tunnel Atmospheric Environment, 1991, v25A, n7, p1277 On the Mean Daily and Seasonal Variations of the Vertical Ozone Profiles in the Lower Troposphere Atmospheric Environment, 1991, v25A, n9, p1751

Surface Ozone and Meteorological Predictors on a Subregional Scale Atmospheric Environment, 1991, v25A, n9, p1781

Measurements of Alkyl Nitrates in Rural and Polluted Air Masses Atmospheric Environment, 1991, v25A, n9, p1951

Measurement of Gaseous Nitric Acid by a Laser-Photolysis Fragment-Fluorescence (LPFF) Method in the Black Forest and at the North Sea Coast Atmospheric Environment, 1991, v25A, n10, p2223

Fluoride Accumulation in Different Earthworm Species near an Industrial Emission Source in Southern Germany

Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p515

Influence of Ozonation on the Mutagenic Activity of Benzidine in Water Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p738

Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans in Fish from South-West Germany: River Rhine and Neckar *Chemosphere*, 1991, v22 n1-2, p29

Levels of Airborne Halocarbons at Urban and Mountain Forest Sites in Germany and at the Atlantic Coast Chemosphere, 1991, v23 n5, p609

1990 Worldwide Desalting Plants Inventory—The Development of the Desalination Market Desalination, 1991, v81, p19

Air Pollution and Acute Respiratory Illness in Five German Communities Environmental Research, Oct 91, v56, n1, p1

The d-Aminolevulinate Dehydratase Polymorphism: Higher Blood Lead

Levels in Lead Workers and Environmentally Exposed Children with the 1-2 and 2-2 Isozymes Environmental Research, Dec 91, v56, n2, p109

Methyl- and Butyltin Compounds in Water and Sediments of the Rhine River Environmental Science and Technology, May 91, v25, n5, p871

Review of Forest Decline Research Activities and Results in the Federal Republic of Germany Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n3, p415

Natural Background Concentrations of Rare-Earth Elements in a Forest Ecosystem

Science of the Total Environment, 1991, v103, p27

Predictive QSAR Models for Estimating Biodegradation of Aromatic Compounds

Science of the Total Environment,
1991, v109/110, p253

Estimating Atmospheric Degradation Processes by SARs Science of the Total Environment, 1991, v109/110, p261

Predictive QSAR Models for Estimating Soil Sorption Coefficients: Potential and Limitations Based on Dominating Processes Science of the Total Environment, 1991, v109/110, p343

Mercury and Methylmercury in Sediments and Suspended Particles from the River Elbe, North Germany Water, Air, and Soil Pollution, Apr 91, v56, p427

Heavy Metal Levels in Earthworms of a Forest Ecosystem Influenced by Traffic and Air Pollution Water, Air, and Soil Pollution, Aug 91, v57-58, p655

Lead and Cesium Transport in European Forest Soils Water, Air, and Soil Pollution, Aug 91, v57-58, p809 Fate of Organic Matter During Natural and Anthropogenic Lake Acidification Water Research, Dec 91, v25, n12, p1453

#### **Great Lakes**

5'-Nucleotidase Activity in a Eutrophic Lake and an Oligotrophic Lake Applied and Environmental Microbiology, May 91, v57, n5, p1306

Contaminated Sediments from Tributaries of the Great Lakes: Chemical Characterization and Carcinogenic Effects in Medaka (Oryzias latipes) Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p17

H4IIE Rat Hepatoma Cell Bioassay-Derived 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Equivalents in Colonial Fish-Eating Waterbird Eggs from the Great Lakes Archives of Environmental Contamination and Toxicology, Jul 91, v21, n1, p91

Acute Toxicities to Larval Rainbow Trout of Representative Compounds Detected in Great Lakes Fish Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p173

Mutagenic Potential of Sediments from the Grand Calumet River Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p308

Evaluation of the Effects of Storage Time on the Toxicity of Sediments Chemosphere, 1991, v22 n9-10, p801

Concentrations of Inorganic and Organic Contaminants in Sediments of Six Harbors on the North American Great Lakes Chemosphere, 1991, v22 n9-10, p809

Application of the Master Analytical Scheme to the Determination of Volatile Organics in Wastewater Influents and Effluents Environmental Science and Technology, Jan 91, v25, n1, p150 Sediment Trap Fluxes and Benthis Recycling of Organic Carbon, Polycyclic Aromatic Hydrocarbons, and Polychlorbiphenyl Congeners in Lake Superior Environmental Science and Technology, Mar 91, v25, n3, p500

Environmental Contaminants and the Reproductive Success of Lake Trout in the Great Lakes: An Epidemiological Approach

Journal of Toxicology and Environmental Health, 1991, v33, n4, p375

Epidemiology of Great Lakes Bald Eagles

Journal of Toxicology and Environmental Health, 1991, v33, n4, p395

Cause-Effect Linkages Between Chemicals and Populations of Mink (Mustela vison) and Otter (Lutra canadensis) in the Great Lakes Basin Journal of Toxicology and Environmental Health, 1991, v33, n4, p549

Effects of Organochlorine Chemicals on the Reproductive Outcome of Humans Who Consumed Contaminated Great Lakes Fish: An Epidemiologic Consideration

Journal of Toxicology and Environmental Health, 1991, v33, n4, p587

Radioactivity in the Great Lakes Science of the Total Environment, 1991, v100, p61

Variation in Forest Soil Properties Along a Great Lakes Air Pollution Gradient Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1709

Mercury Deposition and Sources for the Upper Great Lakes Region Water, Air, and Soil Pollution, Apr 91, v56, p235

Physiological Characteristics and Food-web Dynamics of Synechococcus in Lakes Huron and Michigan Limnology and Oceanography, Mar 91, v36, n2, p219

Toxicokinetics and Toxicity of a Mixture of Sediment-associated Polycyclic Aromatic Hydrocarbons to the Amphipod *Diporeia* sp.

Environmental Toxicology and Chemistry, 1991, v10, n1, p35

The Importance of Zooplanktonprotozoan Trophic Couplings in Lake Michigan Limnology and Oceanography, Nov

Limnology and Oceanography, Nov 91, v36, n7, p1335

#### Greece

Depositional Fluxes and Other Physical Characteristics of Atmospheric Beryllium-7 in the Temperate Zones (40°N) With a Dry (Precipitation-free) Climate Atmospheric Environment, 1991, v25A, n10, p2335

On the Meteorological Conditions During Some Strong Smoke Episodes in Athens Atmospheric Environment, 1991, v25B, n2, p193

The Extreme Heat Wave in Athens in July 1987 from the Point of View of Human Biometeorology *Atmospheric Environment*, 1991, v25B, n2, p203

Air Pollution Effects on the Leaf Structure of Two Injury Resistant Species: Eucalyptus camaldulensis and Olea europaea L. Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p433

Runoff Losses of EPTC, Molinate, Simazine, Diuron, Propanil and Metolachlor in Thermaikos Gulf, N. Greece

Chemosphere, 1991, v22 n7, p645

Determination of Chemical Pollution Parameters of the River Axios in Northern Greece Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n5, p621

Mobilization of Heavy Metals from River Sediment of Northern Greece by Humic Substances Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n7, p1055 Vertical Distribution of Heavy Metals in Sediments from Rivers in Northern Greece

Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n8 p1345

A Radiological Study of the Greek Radon Spas "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-95

Polycyclic Aromatic Hydrocarbons and Mutagens in Ambient Air Particles Sampled in Thessaloniki, Greece Environmental Toxicology and Chemistry, 1991, v10, n8, p999

## Guatemala

Agroforestry in Guatemala: Mitigating Global Warming Through Social Forestry
"Proceedings of the International

Workshop on Large Scale Reforestation," p97

## Hawaii

An Invader Alters Germination and Growth of a Native Dominant Tree in Hawaii *Ecology*, Jun 91, v72, n4, p1449

A Statewide LESA System for Hawaii Journal of Soil and Water Conservation, Jul-Aug 91, v46, n4, p263

Packed-Entrapped-Mixed Microbial Cell Process for Removal of Phenol and Its Compounds "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p529

## Hawaii, Kauai

Fate of Malathion and O,O,S-Trimethyl Phosphorothioate By-Product in Hawaiian Soil and Water Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p325

## Hawaii. Maul

Influence of the Size of Indigenous Rhizobial Populations on Establishment and Symbiotic Performance of Introduced Rhizobia on Field-Grown Legumes

Applied and Environmental Microbiology, Jan 91, v57, n1, p19

Modeling Symbiotic Performance of Introduced Rhizobia in the Field by Use of Indices of Indigenous Population Size and Nitrogen Status of the Soil

Applied and Environmental Microbiology, Jan 91, v57, n1, p29

## **Hong Kong**

Tributyltin Antifoulings: A Threat to the Hong Kong Marine Environment Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p299

Simulation of Boundary Layer Flow in Hong Kong Atmospheric Environment, 1991, v25A, n10, p2161

Dissolved Oxygen Variations in Marine Fish Culture Zone Journal of Environmental Engineering, Nov/Dec 91, v117, n6, p799

Forecasting of Dissolved Oxygen in Marine Fish Culture Zone Journal of Environmental Engineering, Nov/Dec 91, v117, n6, p816

Commissioning and Operation of Yau Kom Tau Water-Treatment Works (Hong Kong) Using Direct Filtration Journal of the Institution of Water and Environmental Management, Apr 91, v5, n2, p105

Characterization and Treatment of Leachates from Hong Kong Landfill Sites

Journal of the Institution of Water and Environmental Management, Jun 91, v5, n3, p326

Socioeconomic Development and Environmental Pollution in Hong Kong—Risks and Opportunities Science of the Total Environment, 1991, v106, p137

## **Hungary**

Elemental Composition of Aerosol Particles under Background Conditions in Hungary Atmospheric Environment, 1991, v25A, n3/4, p661

Non-methane Hydrocarbon and Aldehyde Measurements in Budapest, Hungary Atmospheric Environment, 1991, v25A, n10, p2103

Epidemiological Studies for Establishing Hygienic Limit Values of Indoor Air in Hungary Science of the Total Environment, 1991, v101, p170

## Idaho, Boise

Low-Pressure Membrane Filtration for Removing Giardia and Microbial Indicators

American Water Works Association Journal, Sep 91, v83, n9, p97

Infiltration Patterns from Simulated Rainfall on a Semiarid Rangeland Soil

Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1726

## Idaho, Coeur d'Alene River

Lead Accumulation and Osprey Production near a Mining Site on the Coeur d'Alene River, Idaho Archives of Environmental Contamination and Toxicology, Sep 91, v21, n3, p415

#### Idaho, Lewiston

Effects of Biologically Treated Bleached Kraft Mill Effluent on Cold Water Stream Productivity in Experimental Stream Channels Environmental Toxicology and Chemistry, 1991, v10, n8, p1051

## Idaho, Nez Perce County

Classification and Spatial Mapping of Riparian Habitat with Applications toward Management of Streams Impacted by Nonpoint Source Pollution Environmental Management, Jul/Aug 91, v15, n4 p565

## Idaho, Northern

Lead Toxicosis in Tundra Swans near a Mining and Smelting Complex in Northern Idaho

Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p549

## Idaho. Southwestern

Probability of Sediment Yields from Surface Erosion on Granitic Roadfills in Idaho

Journal of Environmental Quality, Jan-Mar 91, v20, n1, p53

## Idaho. Tom Beall Watershed

Erosion, Sediment, and Economic Effects of Conservation Compliance in an Agricultural Watershed Journal of Soil and Water Conservation, May-Jun 91, v46, n3, p211

#### Illinois

A Second-Generation Model for Cooling Tower Plume Rise and Dispersion—I. Single Sources *Atmospheric Environment*, 1991, v25A, n8, p1559

Irrigation in Midwest: Lessons from Illinois Journal of Irrigation and Drainage Engineering, Sep/Oct 91, v117, n5, p700

Uranium in Illinois Surface Soils Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p549

Factors Associated with Home Radon Concentrations in Illinois "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-3

Radon in Illinois: A Status Report "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP7-15

## Illinois, Argonne

Automobile Shredder Residue: Treatment Options Hazardous Waste and Hazardous Materials, Summer 91, v8, n3, p219

## Illinois, Central

Evaluation of the TUPOS Air Quality Dispersion Model Using Data from the EPRI Kincaid Field Study Atmospheric Environment, 1991, v25A, n10, p2187

## Illinois, Chicago

Dry Deposition of Polychlorinated Biphenyls in Urban Areas Environmental Science and Technology, Jun 91, v25, n6, p1075

Evaluation of Risks from Urban Air Pollutants in the Southeast Chicago Area Journal of the Air and Waste Management Association, Jun 91, v41, n6, p844

The Contribution of Ammonia, Metals and Nonpolar Organic Compounds to the Toxicity of Sediment Interstitial Water from an Illinois River Tributary Environmental Toxicology and Chemistry, 1991, v10, n7, p925

## Illinois, Fayette County

Potential of the Conservation Reserve Program to Control Agricultural Surface Water Pollution Environmental Management, Jul/Aug 91, v15, n4 p507

## Illinois, Granite City

Source Apportionment with Site Specific Source Profiles Journal of the Air and Waste Management Association, Mar 91, v41, n3, p294

## Illinois, Lake Decatur

Ultrafiltration of Lake Water for Potable Water Production *Desalination*, May 91, v80, n2-3, p243

## Illinois, Mapleton

1988 Guideline Compliance for Major Gray Iron Foundry "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p727

## Illinois, McHenry County

Elution Profiles of Three Chlorinated Hydrocarbons Leaching through Sandy Soil Journal of Environmental Engineering, May/Jun 91, v117, n3, p279

## Illinois, Northwestern

Spatial and Temporal Dispersion of Immature *Ixodes dammini* on *Peromyscus leucopus* in Northwestern Illinois *Journal of Parasitology*, Dec 91, v77, n6, p945

## Illinois, Piatt County

Landfarming and Biostimulation for Decontaminating Herbicide Wastes in Soil

"Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p46

## Illinois, Southern

Indigenous and Enhanced Mineralization of Pyrene, Benzo[a]pyrene, and Carbazole in Soils

Applied and Environmental Microbiology, Dec 91, v57, n12, p3462

## India

Structure and Function of the Agroforestry System in the Pithoragarh District of Central Himalaya: an Ecological Viewpoint Agriculture, Ecosystems and Environment, May 91, v35, n4, p283

Mold Flora and Aflatoxin Contamination of Stored and Cooked Samples of Pearl Millet in the Paharia Tribal Belt of Santhal Pargana, Bihar, India Applied and Environmental Microbiology, Apr 91, v57, n4, p1223

Metal Pollution and Its Impact on Algae in Flowing Waters in India Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p556

Study of Atmospheric Aerosols in a Terrain-Induced Nocturnal Boundary Layer Using Bistatic Lidar Atmospheric Environment, 1991, v25A, n3/4, p655

Atmospheric Dustfall Deposits in Varanasi City

Atmospheric Environment, 1991, v25B, n1, p109

Bioconcentration of Endosulfan in Different Body Tissues of Estuarine Organisms under Sublethal Exposure Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p151

Cu and Zn Uptake by Halimione portulacoides (L.) Aellen. A Long-Term Accumulation Experiment Bulletin of Environmental Contamination and Toxicology, Mar 91, v46, n3, p442

Residues of Organochlorine Pesticides and Polycyclic Aromatic Hydrocarbons in Drinking Water of Ahmedabad City, India Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p381

Effect of Sewage Pollution on the Health Status of Sewage Farm Workers Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p646

Modulation of Microsomal Membrane Associated Detoxication Enzymes Activity by Methyl Isocyanate (MIC) Exposure Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p675

Toxicity and Bioconcentration of Hexachlorocyclohexane (HCH) in an Air-Breathing Catfish, Saccobranchus fossilis (Bloch) Bulletin of Environmental Contamination and Toxicology, Dec 91, v47, n6, p904

Atmospheric Pollution by Auxin-Type Herbicides in Tala Valley, Natal Chemosphere, 1991, v22 n1-2, p137

Malathion Sorption by Sediments from a Tropical Estuary Chemosphere, 1991, v23 n2, p167 Economics of Desalination in Water Resource Management—A Comparison of Alternative Water Resources for Arid/Semi Arid Zones in Developing Countries Desalination, 1991, v81, p57

Framework for Environmental Impact Analysis—with Special Reference to India Environmental Management, May/ Jun 91, v15, n3 p357

Analytical Conceptual Plan to Reforest Central Himalaya for Sustainable Development Environmental Management, May/ Jun 91, v15, n3 p369

Studies on the Effects of Some Organic Pollutants on the Heavy Metal Transport in an Indian Soil Environmental Pollution, 1991, v70 n2, p109

Factors Affecting Alkaline Nature of Rain Water in Agra (India) Environmental Pollution, 1991, v74 n2, p129

Distribution and Behaviour of Persistent Organochlorine Insecticides in Paddy Soil and Sediments in the Tropical Environment: A Case Study in South India Environmental Pollution, 1991, v74 n4, p293

Reproductive Performance in Population Exposed to Pesticides in Cotton Fields in India Environmental Research, Aug 91, v55, n2, p123

Air Pollution Tolerance Index of Plants Journal of Environmental Management, Jan 91, v32, n1, p45

Conscrvation of Wildlife Resources in Wetland Ecosystems of Kashmir, India Journal of Environmental Manage-

ment, Sep 91, v33, n2, p143

Acid Mine Drainage Treatment

Acid Mine Drainage Treatment
Journal of Environmental Science
and Health—Environmental Science
and Engineering, 1991, vA26, n8
p1387

Reduction of Cresolase and Catecholase Activities in Tubers of Some Indian Potato Varieties by the Application of Potash Fertilisers Journal of the Science of Food and Agriculture, 1991, v54, n3, p339

Occurrence of Mycotoxigenic Fungi and Mycotoxins in Animal Feed from Bihar, India Journal of the Science of Food and Agriculture, 1991, v56, n1, p39

Annual Runoff Estimation for Catchments in India Journal of Water Resources Planning and Management, Jan/Feb 91, v117, n1, p1

Chemical Characterization of Fly Ash from Coal-Fired Thermal Power Plants in India Science of the Total Environment, Apr 15, 91, v103, n2&3, p151

Studies of Blood Lead Levels in Children by Proton-Induced X-Ray Emissions (PIXE) Science of the Total Environment, Apr 15, 91, v103, n2&3, p209

Levels of Aldrin and Dieldrin in Environmental Samples from Delhi, India Science of the Total Environment, Oct 15, 91, v108, n3, p255

Natural Radionuclides in a Tropical River Subjected to Pollution Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p305

Biodegradation and Anticholinesterase Activity of Methyl Isocyanate in the Aquatic Environment of Bhopal Water Research, Feb 91, v25, n2, p179

Treatment of Tannery Wastewater by Upflow Anaerobic Sludge Blanket Reactor "Proceedings of the Forty-fifth Industrial Waste Conference, May 8,

9, 10, 1990, Purdue University," p403

Reforestation in India "Proceedings of the International Workshop on Large Scale Reforestation," p109

## Indiana

Trace Element Contamination of Soils in the Indiana Dunes Journal of Environmental Quality, Apr-Jun 91, v20, n2, p492

Semivolatiles Screening at CERCLA Sites "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p573

State Property Transfer Laws Now Include Radon Gas Disclosure "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL2-13

## Indiana, Bloomington

Vapor Pressures of Chlorinated Dioxins and Dibenzofurans Science of the Total Environment, May 1, 91, v104, n1&2, p9

## Indiana, Boone County

Treatment of Contaminated Groundwater and Leachate from Superfund Sites at POTWs—A Case Study "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p609

#### Indiana, Evansville

Using Reducing Agents to Eliminate Chlorine Dioxide and Chlorite Ion Residuals in Drinking Water American Water Works Association Journal, May 91, v83, n5, p56

## Indiana, Indianapolis

Assessing the Reliability of Urban Reservoir Supplies American Water Works Association Journal, Mar 91, v83, n3, p46

## Indiana, West Lafayette

Biodegradation of Organic Compounds in Vadose Zone and Aquifer Sediments

Applied and Environmental Microbiology, Aug 91, v57, n8, p2260

Estimating Recharge Rates Through Unsaturated Glacial Till by Tritium Tracing Ground Water, Jan-Feb 91, v29, n1, p26

#### lowa

Environmental Factors Influencing Chlorophyll v. Nutrient Relationships in Lakes Freshwater Biology, Apr 91, v25, n2, p279

Protecting Iowa's Common Wealth: Challenges for the Leopold Center for Sustainable Agriculture Journal of Soil and Water Conservation, Mar-Apr 91, v46, n2, p89

Effect of Environmental Variables upon Crappie Young, Year-Class Strength, and the Sport Fishery North American Journal of Fisheries Management, Fall 91, V11, n4, p534

Cost Benefit Analysis of Radon Mitigation Systems in 157 Iowa and Nebraska Homes "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP2-17

## Iowa, Ames

Kentucky Bluegrass Recovery of Urea-Derived Nitrogen-15 Amended with Urease Inhibitor Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p528

Estimating Aquifer Parameters from a Horizontal Well Pumping Test in an Unconfined Aquifer Water Resources Bulletin, Oct 91, v27, n5, p831

# Iowa, Treynor

Terrain Analysis: Integration into the Agricultural Nonpoint Source (AGNPS) Pollution Model Journal of Soil and Water Conservation, Jan-Feb 91, v46, n1, p59

### Iraq

Radionuclide Contamination of Foods Imported into Iraq Following the Chernobyl Nuclear Reactor Accident Science of the Total Environment, 1991, v106, p191

## Israei

The Chemical Composition of Aerosols Settling in Israel Following Dust Storms Atmospheric Environment, 1991, v25A, n11, p2665 Advertent/Inadvertent Effect on 'Rainfall Center' Displacement in Northern Israel Atmospheric Environment, 1991, v25B, n3, p301

The Distribution of Chlorophylls, Carotenoids and Their Breakdown Products in Lake Kinneret (Israel) Sediments Freshwater Biology, Aug 91, v26, n1, n1

The Distribution of Fecal Pollution Indicator Bacteria in Lake Kinneret Water Research, Mar 91, v25, n3, p263

#### Istanbul

The Need for an Energy-integrated Planning System in Metropolitan Istanbul Journal of Environmental Management, Jan 91, v32, n1, p73

## Italy

Plume Dispersion Investigated by LANDSAT Imagery Atmospheric Environment, 1991, v25A, n5/6, p965

Mineral Lung Burden of an Urban Population Atmospheric Environment, 1991, v25B, n3, p381

Analysis of the Impact on Air Quality of Motor Vehicle Traffic in the Milan Urban Area *Atmospheric Environment*, 1991, v25B, n3, p415

Heavy Metal Bioaccumulation in Lamb and Sheep Bred in Smelting and Mining Areas of S.W. Sardinia (Italy) Bulletin of Environmental Contami-

Bulletin of Environmental Contamination and Toxicology, Jun 91, v46, n6, p887

Behavior and Fate of Chloronitrobenzenes in a Fluvial Environment Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p580

Synthesis and Destruction of PCDD and PCDF Inside a Municipal Solid Waste Incinerator *Chemosphere*, 1991, v23 n6, p715

Hospital Waste Incineration in a MSW Combustor: Chlorine, Metals and Dioxin Mass Balance *Chemosphere*, 1991, v23 n8-10, p1501

Strategy for Wastewater Reuse for Agriculture in Southern Italy *Desalination*, 1991, v83, p173

Geostatistical Modeling of Dissolved Oxygen Distribution in Estuarine Systems Environmental Science and Technol-

Environmental Science and Technology, Mar 91, v25, n3, p474

Measurement and Prediction of Copper Ion Activity in Lake Orta, Italy Environmental Science and Technology, Apr 91, v25, n4, p678

Lead Pollution of Soils from a Continuous Point Source: A Case Study in Italy Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n5, p777

Environmental and Biological Monitoring of Exposure to Nitrous Oxide Science of the Total Environment, 1991, v101, p167

Environmental and Biological Monitoring of Exposure to n-Hexane Science of the Total Environment, 1991, v101, p169

Trace Metal Anomalies in Surface Soils and Vegetation on Two Active Island Volcanoes: Stromboli and Vulcano (Italy) Science of the Total Environment, 1991, v102, p209

Mercury in Plants, Soil and Atmosphere near a Chlor-Alkali Complex Water, Air, and Soil Pollution, Apr 91, v56, p15

Heavy Metal Distribution and Mobilization in Sediments from a Drinking Water Reservoir near a Mining Area Water, Air, and Soil Pollution, Aug 91, v57-58, p329 Seasonal Pattern of Nitrate Losses from Cultivated Soil with Subsurface Drainage Water, Air, and Soil Pollution, Nov 91, v60, n1/2, p1

Delay in Lake Recovery Caused by Internal Loading Water Research, May 91, v25, n5, p567

Heavy Metal Pollution Studies by Resuspension Experiments in Venice Lagoon Water Research, Oct 91, v25, n10, p1295

# Japan

Main Features of Large Water Treatment Plants in Japan American Water Works Association Journal, Jun 91, v83, n6, p56

Purification and Properties of b-1,4-Xylanase from Aeromonas caviae W-61 Applied and Environmental Microbi-

ology, Feb 91, v57, n2, p445

Toxicity and Toxins of Natural Blooms and Isolated Strains of Microcystis spp. (Cyanobacteria) and Improved Procedure for Purification of Cultures Applied and Environmental Microbiology, Apr 91, v57, n4, p1241

Cholera Enterotoxin Production in Vibrio cholerae O1 Strains Isolated from the Environment and from Humans in Japan Applied and Environmental Microbiology, Aug 91, v57, n8, p2152

Abundance of Viruses in Marine Waters: Assessment by Epifluorescence and Transmission Electron Microscopy Applied and Environmental Microbiology, Sep 91, v57, n9, p2731

Screening of Natural Waters for Viruses Which Infect Chlorella Cells Applied and Environmental Microbiology, Dec 91, v57, n12, p3433

An Analysis of Precipitation Chemistry Measurements in Shimane, Japan Atmospheric Environment, 1991, v25A, n2, p285

Wind Tunnel Simulation of Airflow and Pollutant Diffusion Over Complex Terrain Atmospheric Environment, 1991, v25A, n7, p1155

Characterization of Aerosols in the Kashima Area—A Summary of IPCAJ Kashima SPM Study *Atmospheric Environment*, 1991, v25B, n1, p133

The Effects of Land-Use and Anthropogenic Heating on the Surface
Temperature in the Tokyo Metropolitan Area: A Numerical Experiment
Atmospheric Environment, 1991,
v25B, n2, p155

Distribution of Sensitivity to 4-Nitroquinoline 1-Oxide Among Japanese Lymphoblastoid Cell Lines Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p62

Superoxide Radical-Induced Degradation of Polychlorobiphenyls and Chlordanes at Low Temperature Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p292

Mutagenicity Assays of Leachate from Domestic Waste Landfills in Japan: The Establishment of a Protocol for Measuring Mutagenicity Levels of Leachate Bulletin of Environmental Contamination and Toxicology, Apr 91, v46, n4, p561

Accumulation Levels of Organochlorine Pesticides in Human Adipose Tissue and Blood Bulletin of Environmental Contamination and Toxicology, May 91, v46,

n5, p662

Fluoride Levels in Tap and Underground Water Samples from Kinki Area in Japan Bulletin of Environmental Contamination and Toxicology, May 91, v46, n5, p677

Levels of Chlordane, Oxychlordane, and Nonachlor in Human Adipose Tissues Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p173

Evaluation of Biological Effects of Polycyclic Compounds Found in Contaminated Cooking Oil Responsible for the Disease "Yusho" Chemosphere, 1991, v22 n5-6, p537

State of the Art Ultrapure Water Production in Japan Desalination, May 91, v80, n2-3, p159

Reduction of Heavy Metal Content in Hiroshima Bay Oysters (*Crassostrea gigas*) Environmental Pollution, 1991, v70 n3, p209

The Wastewater Disposal System of the City of Yokohama, Japan Journal of the Institution of Water and Environmental Management, Aug 91, v5, n4, p396

Historical Factors and Recent Developments in Wastewater Treatment Management in Japan Journal of the Institution of Water and Environmental Management, Oct 91, v5, n5, p553

Correlation of Cadmium, Copper, Manganese, and Zinc Levels in the Urine of People in Nonpolluted Areas Journal of Toxicology and Environmental Health, 1991, v33, n3, p263

Change in C:N:P Ratios During Passage of Water Areas from Rivers to a Lake Water Research, Jan 91, v25, n1, p95

The Distribution of Chlorobenzenes in the Bottom Sediments of Ise Bay *Water Research*, Mar 91, v25, n3, p275

The Behavior of Chlorobenzenes in Ise Bay, Estimated from Their Concentrations in Various Environmental Media Water Research, Mar 91, v25, n3, p289

#### Kansas

A New Sampling System for Obtaining Relatively Undisturbed Samples of Unconsolidated Coarse Sand and Gravel

Ground Water Monitoring Review,
Summer 91, v11, n3, p182

Residual Value of Fertilizer Phosphorus in Selected Kansas Soils Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p399

## Kansas, Melvern Reservoir

Seasonal Changes in Body Condition of White Crappies and Relations to Length and Growth in Melvern Reservoir, Kansas North American Journal of Fisheries Management, Winter 91, V11, n1, p50

# Kentucky

Chemical and Physical Behavior of Two Kentucky Soils. I. Sodium-Calcium Exchange Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n7 p1147

Chemical and Physical Behavior of Two Kentucky Soils. II. Saturated Hydraulic Conductivity—Exchangeable Sodium Relationships Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n7 p1177

Chemical and Physical Behavior of Two Kentucky Soils. III. Saturated Hydraulic Conductivity—Imhoff Cone Test Relationships Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n7 p1195

Changes in Largemouth Bass Populations at Kentucky and Barkley Lakes: Environmental or Regulatory Responses? North American Journal of Fisheries Management, Summer 91, V11, n3,

p285

Seasonal Variation in Solution Composition and Mineral Stability of Two Kentucky Alfisols Soil Science Society of America Journal, May/Jun 91, v55, n3, p881

Kentucky Innovative Grant: Radon in Schools Telecommunication Project "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p7-13 Design and Application of Active Soil Depressurization (ASD) Systems in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-3

# Kentucky, Lexington

Inhibition of Acetate Methanogenesis by Phenols Journal of Environmental Engineering, Jul/Aug 91, v117, n4, p487

# Kentucky, Louisville

Controlling Sewage Treatment Plant Noise Journal of Environmental Engineering, Sep/Oct 91, v117, n5, p680

## Kentucky, Northern

Acidification and Liming Influence on Surface Charge Behavior of Kentucky Subsoils Soil Science Society of America Journal, Jan/Feb 91, v55, n1, p26

## Kentucky, Western

Developing a Community Radon Outreach Program: A Model for Statewide Implementation "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL1-29

#### Kenya

Organochlorines in Crocodile Eggs from Kenya Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p126

Response of Tea Quality Parameters to Time of Year and Nitrogen Fertiliser Journal of the Science of Food and Agriculture, 1991, v55, n1, p1

#### Korea

Symbiotic Potential, Competitiveness, and Serological Properties of Bradyrhizobium japonicum Indigenous to Korean Soils Applied and Environmental Microbiology, Apr 91, v57, n4, p1038

# Kuwait

Traffic Co-Dispersion Pattern in Kuwait

Atmospheric Environment, 1991, v25A, n5/6, p909

Thermal Analysis of Multi-Stage Flash Desalting Systems Desalination, May 91, v85, n1, p59

Traffic Air Pollution in Kuwait: Preliminary Results for Nitrogen Oxides and Carbon Monoxide Science of the Total Environment, 1991, v106, p111

#### **Latin America**

Urban Air Pollution in Latin America and the Caribbean Journal of the Air and Waste Management Association, Sep 91, v41, n9, p1166

#### Lebanon

Plastic Pellets, Tar, and Megalitter on Beirut Beaches, 1977-1988 Environmental Pollution, 1991, v71 n1, p17

#### Lithuania

Surface Ozone Measurements in Lithuania *Atmospheric Environment*, 1991, v25A, n9, p1791

#### Louisiana

Lead, Cadmium, and Aluminum Accumulation in the Red Swamp Crayfish *Procambarus clarkii* G. Collected from Roadside Drainage Ditches in Louisiana Archives of Environmental Contamination and Toxicology, Feb 91, v20, n2, p253

Chronic Toxicity of Thiodan<sup>R</sup> (Endosulfan) Insecticide to Louisiana Crayfish

Journal of Environmental Science
and Health—Pesticides, Food

and Health—Pesticides, Food Contaminants, and Agricultural Wastes, 1991, vB26, n4 p437

## Louisiana, Calcasieu River

Water Quality of a Coastal River Receiving Nutrient Inputs: Ammonium Nitrogen Transformations Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n7 p1287

## Louisiana. Crowley

Urea Transformations in Flooded Soil Columns: I. Experimental Results Soil Science Society of America Journal, Jul/Aug 91, v55, n4, p1130

#### Louisiana, Gulf Coast

Seasonal Distribution of Sulfur Fractions in Louisiana Salt Marsh Soils *Estuaries*, Mar 91, v14, n1, p17

#### Louisiana. Jefferson Parish

Acid Neutralization by Gulf Coast Sediments Ground Water, Jul-Aug 91, v29, n4, p489

#### Louisiana, New Orleans

Lead in Residential Soils: Background and Preliminary Results of New Orleans Water, Air, and Soil Pollution, Aug 91, v57-58, p111

# Louisiana, Northern

Spatial and Temporal Fine-Root Distribution in Three Louisiana Forest Soils Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1752

## Louisiana, Shreveport

Pilot Testing the Haberer Process in the United States American Water Works Association Journal, Sep 91, v83, n9, p90

#### Louisiana, South Central

Nutrient Transport in a Riverineinfluenced, Tidal Freshwater Bayou in Louisiana Estuaries, Dec. 91, v14, n4, p382

## Louisiana, Southwestern

Habitat Use by Small Mammals in Coastal Marshes of Southwestern Louisiana Estuaries, Mar 91, v14, n1, p107

Growth Rates of American Alligators in Estuarine and Palustrine Wetlands in Louisiana

Estuaries, Dec. 91, v14, n4, p489

#### Maine

Inhibition of Corneal Epithelial Cell Migration by Cadmium and Mercury Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p230

The State of Maine Schools Radon Project: Results "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-71

Extended Heating, Ventilating and Air Conditioning Diagnostics in Schools in Maine "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-37

The State of Maine School Radon Project: Protocols and Procedures of the Testing Program A Cumulative Examination of the State/EPA Radon Survey "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP6-31

Design and Application of Active Soil Depressurization (ASD) Systems in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-3

The State of Maine School Radon Project: The Design Study—A Cumulative Examination of the State/ EPA Radon Survey "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-47

# Maine, Gulf of

Feeding Ecology of Benthic Mobile Predators: Experimental Analyses of Their Influence in Rocky Subtidal Communities of the Gulf of Maine Journal of Experimental Marine Biology and Ecology, 1991, v149, n1, p13

## Maine, Steep Falls

Radon in Homes Following Its Reduction in a Community Water Supply American Water Works Association Journal, Apr 91, v83, n4, p154

#### Maine, Swan's Island

Recruitment of the Mussel Mytilus edulis L. on Sheltered and Exposed Shores in Maine, USA Journal of Experimental Marine Biology and Ecology, 1991, v147, n1, p65

## Malaysia

Design and Construction of the New Bintulu Water Supply, Sarawak, Malaysia Journal of the Institution of Water and Environmental Management, Apr 91, v5, n2, p141

Accumulation of Arsenic by Aquatic Plants

Science of the Total Environment,
1991, v103, p215

Accumulation of Arsenic by Aquatic Plants Science of the Total Environment, Apr 15, 91, v103, n2&3, p215

Characterization of a Malaysian Mangrove Estuary *Estuaries*, Mar 91, v14, n1, p38

# Maryland

Prospecting for Zones of Contaminated Ground-Water Discharge to Streams Using Bottom-Sediment Gas Bubbles *Ground Water*, May-Jun 91, v29, n3, p333

Reduction of Nitrate Loadings to Ground Water Ground Water Monitoring Review, Winter 91, v11, n1, p112

Concentration Models for Dissolved Nitrogen Nutrients from Non-point Sources in Potomac Estuary Journal of Environmental Management, Dec 91, v33, n4, p335

HVAC System Complications and Controls for Radon Reduction in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-85 Correlation of Soil Radon Availability Number with Indoor Radon and Geology in Virginia and Maryland (Visuals only)

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP8-33

# Maryland, Aberdeen Proving Ground

Mapping Zones of Contaminated Ground-Water Discharge Using Creek-Bottom-Sediment Vapor Samplers, Aberdeen Proving Ground, Maryland Ground Water, Jan-Feb 91, v29, n1, p7

Application of Marine Seismic Profiling to a Ground Water Contamination Study, Aberdeen Proving Ground, Maryland Ground Water Monitoring Review, Winter 91, v11, n1, p97

## Maryland, Baltimore

Critical Swimming Capacity of the Atlantic Silverside, *Menidia menidia* L.

Estuaries, Jun 91, v14, n2, p218

#### Maryland, Chesapeake Bay

Biochemical and Serological Characterization of *Carnobacterium* spp. Isolated from Farmed and Natural Populations of Striped Bass and Catfish

Applied and Environmental Microbiology, Nov 91, v57, n11, p3114

#### Maryland, Delmarva Peninsula

Changes in Poultry Litter Toxicity with Simulated Acid Rain Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p167

#### Maryland, Gaithersburg

Standard Reference Materials for Dioxins and Other Environmental Pollutants

Science of the Total Environment, May 1, 91, v104, n1&2, p1

#### Maryland, Susquehanna River

Sediment Accumulation Rates in Conowingo Reservoir as Determined

by Man-made and Natural Radionuclides

Estuaries, Jun 91, v14, n2, p148

## Maryland, Western

Multimodal Size Spectra of Submicrometer Particles Bearing Various Elements in Rural Air Environmental Science and Technology, May 91, v25, n5, p890

## Massachusetts

Predicting Potential Sound Levels: A Case Study in an Urban Area Journal of the Air and Waste Management Association, Oct 91, v41, n10, p1355

#### Massachusetts, Boston

Restriction Enzyme Analysis of Listeria monocytogenes Strains Associated with Food-Borne Epidemics

Applied and Environmental Microbiology, Apr 91, v57, n4, p969

Butyltins in Estuarine Sediments Two Years after Tributyltin Use Was Restricted Chemosphere, 1991, v22 n12, p1113

How Clean is Clean? Cleanup Criteria for Contaminated Soil and Groundwater Journal of the Air and Waste Management Association, Nov 91, v41, n11, p1446

Commuter Exposures to VOCs in Boston, Massachusetts Journal of the Air and Waste Management Association, Dec 91, v41, n12, p1594

## Massachusetts, Cape Cod

Use of Colloid Filtration Theory in Modeling Movement of Bacteria Through a Contaminated Sandy Aquifer

Environmental Science and Technology, Jan 91, v25, n1, p178

The Next Generation of Septage Treatment Research Journal of the Water Pollution Control Federation, 1991, v63, n1, p84

The Role of Seasonal Turnover in Lake Alkalinity Dynamics

Limnology and Oceanography, Jan 91, v36, n1, p106

## Massachusetts, Danvers

Use of Created Cattail (Typha) Wetlands in Mitigation Strategies Environmental Management, Nov/ Dec 91, v15, n6 p797

### Massachusetts, Falmouth

Loss and Recycling of Amino Acids and Protein from Smooth Cordgrass (Spartina alterniflora) litter Estuaries, Dec. 91, v14, n4, p430

## Massachusetts, Holbrook

On-Site Methods for Assessing Chemical Impact on the Soil Environment Using Earthworms: A Case Study at the Baird and McGuire Superfund Site, Holbrook, Massachusetts

Environmental Toxicology and Chemistry, 1991, v10, n6, p817

Assessment of Methods for Estimating Aquatic Hazards at Superfund-Type Sites: A Cautionary Tale Environmental Toxicology and Chemistry, 1991, v10, n6, p827

## Massachusetts, Medford

The Organization and Coverage of Research on Reduced Use of Agricultural Chemicals Agriculture, Ecosystems and Environment, Aug 91, v36, n3-4, p217

## Massachusetts, Nantucket Island

A Brugia Species Infecting Rabbits in the Northeastern United States Journal of Parasitology, Oct 91, v77, n5, p796

#### Massachusetts, New Bedford

Human Exposure to Polychlorinated Biphenyls in Greater New Bedford, Massachusetts: A Prevalence Study Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p410

Development and Use of Site-Specific Chemical and Biological Criteria for Assessing New Bedford Harbor Pilot Dredging Project Environmental Management, Jan/Feb 91, v15, n1, p105

Nonconstant Polychlorinated Biphenyl Partitioning in New Bedford Harbor Sediment During Sequential Batch Leaching Environmental Science and Technology, Jun 91, v25, n6, p1082

SITE Demonstration of the CF Systems Organic Extraction Process "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p5

## Massachusetts, Shrewsbury

Analysis of the Performance of a Radon Mitigation System Based on Charcoal Beds "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP4-43

#### Massachusetts, Waquoit Bay

Lateral and Cross-channel Movement of Young-of-the-Year Winter Flounder (Pseudopleuronectes americanus) in Waquoit Bay, Massachusetts Estuaries, Dec. 91, v14, n4, p440

#### Massachusetts, Welifleet

Summer Oxygen Depletion in a Diked New England Estuary *Estuaries*, Jun 91, v14, n2, p122

#### Mediterranean Sea

On the dynamic of the Atmospheric Input of Copper and Manganese into the Western Mediterranean Sea Atmospheric Environment, 1991, v25A, n3/4, p733

The Effect of Meso-Scale Flows on Regional and Long-Range Atmospheric Transport in the Western Mediterranean Area Atmospheric Environment, 1991, v25A, n5/6, p949

Background Levels of Atmospheric Hydrocarbons, Sulphate and Nitrate Over the Western Mediterranean Atmospheric Environment, 1991, v25A, n8, p1463

Reproductive Cycle and Heavy Metals in the Organs of Red Mullet, Mullus barbatus (L.), from the Northwestern Mediterranean Science of the Total Environment, 1991, v103, p47

#### Mexico

Seasonal and Geographical Variation of Organochlorine Residues in Birds from Northwest Mexico *Archives of Environmental Contamination and Toxicology*, Nov 91, v21, n4, p541

Presence of Aliphatic and Polycyclic Aromatic Hydrocarbons in the Atmosphere of Northwestern Mexico City, Mexico Bulletin of Environmental Contamination and Toxicology, May 91, v46, n5, p690

Distribution of Ni, V, and Petroleum Hydrocarbons in Recent Sediment from the Veracruz Coast, Mexico Bulletin of Environmental Contamination and Toxicology, May 91, v46, n5, p774

Pollution by Petroleum Hydrocarbons in Sediments from Continental Shelf of Tabasco State, Mexico Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p565

The Distribution of Metals from Wastewater in the Mexican Valley Mezquital Water, Air, and Soil Pollution, Aug 91, v57-58, p763

Diel Dissolved Oxygen Dynamics and Eutrophication in a Shallow, Well-mixed Tropical Lagoon (Cancun, Mexico) Estuaries, Dec. 91, v14, n4, p372

## Mexico, Gulf of

Use of Ultrafiltration to Isolate Viruses from Seawater Which are Pathogens of Marine Phytoplankton Applied and Environmental Microbiology, Mar 91, v57, n3, p721

The Role of Sea Urchin Grazing in Regulating Subtropical Seagrass Meadows: Evidence from Field Manipulations in the Northern Gulf of Mexico Journal of Experimental Marine

Journal of Experimental Marine Biology and Ecology, 1991, v154, n2, p215 Tide Gauge Records, Water Level Rise, and Subsidence in the Northern Gulf of Mexico Estuaries, Jun 91, v14, n2, p139

# Michigan

The Biomagnification of Polychlorinated Biphenyls, Toxaphene, and DDT Compounds in a Lake Michigan Offshore Food Web Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p87

Assessing Atrazine Persistence in Soil Following a Severe Drought Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p22

The Biodegradation of Methylene Chloride in Soils Environmental Toxicology and Chemistry, 1991, v10, n4, p463

## Michigan, Detroit

Isolation of Amoebae and *Pseudo-monas* and *Legionella* spp. from Eyewash Stations

Applied and Environmental Microbiology, Jan 91, v57, n1, p163

Particulate Air Pollution and Daily Mortality in Detroit *Environmental Research*, Dec 91, v56, n2, p204

#### Michigan, Genesee County

Remedial Action Case History: Forest Waste Site Lagoons "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p13

## Michigan, Gogebic County

Regulation of Planktonic Microbial Communities by Nutrients and Herbivores *Ecology*, Jun 91, v72, n3, p904

### Michigan, Grand River

Delta Method for Estimating Primary Production, Respiration, and Reaeration in Streams Journal of Environmental Engineering, Sep/Oct 91, v117, n5, p640

### Michigan, Traverse City

Effect of Nitrate Addition on Biorestoration of Fuel-Contaminated Aquifer: Field Demonstration *Ground Water*, Jul-Aug 91, v29, n4, p571

Impact of Recharge Through Residual Oil Upon Sampling of Underlying Ground Water Ground Water Monitoring Review, Spring 91, v11, n2, p93

# Michigan, Turkey Marsh

Helminth Infracommunities of the Newt, Notophthalmus viridescens, from Turkey Marsh, Michigan Journal of Parasitology, Feb 91, v77, n1, p87

Helminth Infracommunities of the Frogs Rana catesbeiana and Rana clamitans from Turkey Marsh, Michigan Journal of Parasitology, Jun 91, v77, n3, p366

# Michigan, Washtenaw County

Right-to-Know Journal of Environmental Health, Jan/Feb 91, v53, n4, p20

#### Middle East

Height and Lung Function in Preadolescent Children of Kuwaiti and European Origin: A Pilot Survey on Health Effects of Gas Cooking in the Middle East Archives of Environmental Health, Nov/Dec 91, v46, n6, p361

A Contribution to the Problem of Trihalomethane Formation from the Arabian Gulf Water Desalination, May 91, v85, n1, p13

Volatile Organic Compound Emissions from Air Flotation Basins in Refinery and Petrochemical Wastewater Treatment "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p665

Performance and Reliability of a Solar Desalination Plant During a Five-Year Operating Period Desalination, 1991, v82, p165 Economic Scheduling of the UAN Cogeneration Plant: A Preliminary Optimization Study *Desalination*, May 91, v85, n1, p93

#### Minnesota

Current Status of Glass as a Retrospective Radon Monitor "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-3

## Minnesota, Minneapolis

Evaluation of Precipitation Samplers for Assessing Atmospheric Fluxes of Trace Organic Contaminants Chemosphere, 1991, v23 n3, p343

#### Minnesota, New Brighton

EPA SITE Demonstration of BioTrol Aqueous Treatment System Journal of the Air and Waste Management Association, Feb 91, v41, n2, p228

S.I.T.E. Demonstration of a Soil Washing System by Biotrol, Inc., at a Wood Preserving Site in New Brighton, Minnesota "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p119

# Minnesota, Olmsted County

Strategic Planning for a Comprehensive Water Plan Journal of Soil and Water Conservation, May-Jun 91, v46, n3, p178

## Minnesota, Rochester

A Site Study of Soil Characteristics and Soil Gas Radon "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p9-43

#### Minnesota, Roseville

Water-Quality Effectiveness of a Detention/Wetland Treatment System and Its Effect on an Urban Lake *Environmental Management*, Jan/Feb 91, v15, n1, p131

# Mississippi, East Central

A Paired Comparison of Two Precipitation Chemistry Sites in East-Central Mississippi Atmospheric Environment, 1991, v25A, n8, p1449

# Mississippi, Paden

Monitoring of Chemical Properties on a Pyritic Disposal-Area Soil after Liming Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p368

## Mississippi River

A Reconnaissance Study of Halogenated Organic Compounds in Catfish from the Lower Mississippi River and Its Major Tributaries

Chemosphere, 1991, v23 n7, p817

A Growth and Yield Model for Improved Eastern Cottonwood Plantations in the Lower Mississippi Delta Southern Journal of Applied Forestry, Nov 91, v15, p213

## Mississippi, Yazoo National Wildlife Refuge

Organochlorine Pesticides in Soil Sediments and Aquatic Animals in the Upper Steele Bayou Watershed of Mississippi Archives of Environmental Contamination and Toxicology, Feb 91, v20, n2, p161

# Missouri

Wetlands in Watersheds Journal of Soil and Water Conservation, Nov-Dec 91, v46, n6, p415

Maize Populations with Resistance to Field Contamination by Aflatoxin B<sub>1</sub> Journal of the Science of Food and Agriculture, 1991, v54, n2, p235

# Missouri, Columbia

Topsoil Depth, Fertility, Water Management, and Weather Influences on Yield Soil Science Society of America Journal, Jul/Aug 91, v55, n4, p1085

### Missouri, Neosho

Control of Radon Releases in Indoor Commercial Water Treatment "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP4-63

#### Missouri, Southwestern

Closure of a Dioxin Incineration Facility

Chemosphere, 1991, v23 n8-10, p1295

Closure of a Dioxin-Contaminated Superfund Site "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p496

## Missouri, Times Beach

Human Exposures from Dioxin in Soil—A Meeting Report Journal of Toxicology and Environmental Health, 1991, v32, n2, p205

#### Montana

Montana Extension Initiative Focuses on Private Well Quality Journal of Soil and Water Conservation, Jan-Feb 91, v46, n1, p69

Penetration of Coliforms Through Municipal Drinking Water Filters Water Research, Aug 91, v25, n8, p1013

Factors Associated with Dominance of the Filamentous Green Alga Cladophora glomerata Water Research, Nov 91, v25, n11, p1325

#### Montana, Beartooth Plateau

Seed Entrapment in Alpine Ecosystems: Effects of Soil Particle Size and Diaspore Morphology *Ecology*, Oct 91, v72, n5, p1668

#### Montana, Great Falls

Coal Waste Reclamation using Automated Weathering to Predict Lime Requirement Journal of Environmental Quality, Jan-Mar 91, v20, n1, p285

#### Montana, Madison River

Relations Among Stream Temperature, Angling Success for Rainbow Trout and Brown Trout, and Fisherman Satisfaction North American Journal of Fisheries Management, Spring 91, V11, n2,

## Montana, Upper Clark Fork River

New Methods for Modeling the Transport of Metals from Mineral Processing Wastes into Surface Waters Journal of Environmental Science and Health. Environmental Science

Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n2, p157 and n6, p813

#### Nebraska

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Positional, Spatially Correlated and Random Components of Variability in Carbon Dioxide Efflux Journal of Environmental Quality, Jan-Mar 91, v20, n1, p301

Inorganic Contaminants in Drinking Water Correlated With Disease Occurrence in Nebraska Water Resources Bulletin, Aug 91, v27, n4, p631

Cost Benefit Analysis of Radon Mitigation Systems in 157 Iowa and Nebraska Homes "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP2-17

#### Nebraska, Central

Maize Production Impacts on Groundwater Quality Journal of Environmental Quality, Jan-Mar 91, v20, n1, p12

#### Nebraska, Eastern

A Cooperative Educational Program to Reduce Soil Erosion Journal of Soil and Water Conservation, May-Jun 91, v46, n3, p169

#### Nebraska, Lincoln

Atrazine Used as a Tracer of Induced Recharge Ground Water Monitoring Review, Fall 91, v11, n4, p144

#### Nebraska, South Central

Methods for Estimating Wetland Loss: The Rainbasin Region of Nebraska Journal of Soil and Water Conservation, Nov-Dec 91, v46, n6, p441

### Nebraska, Western

Potentially Mineralizable Nitrogen and Nitrate Leaching Under Different Land-Use Conditions in Western Nebraska

Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n3, p335

#### **Netherlands**

The Mycorrhizal Status of Douglas Fir in The Netherlands: Its Relation with Stand Age, Regional Factors, Atmospheric Pollutants and Tree Vitality

Agriculture, Ecosystems and Environment, Apr 91, v35, n2-3, p191

Fluoride Content in Grass as Related to Atmospheric Fluoride Concentrations: A Simplified Predictive Model Agriculture, Ecosystems and Environment, Nov 91, v37, n4, p257

DNA Synthesis and Tritiated Thymidine Incorporation by Heterotrophic Freshwater Bacteria in Continuous Culture

Applied and Environmental Microbi-

ology, Jun 91, v57, n6, p1675

Inhalation Exposure to 1,3-Dichloropropene in the Dutch Flower-Bulb Culture. Part I. Environmental Monitoring

Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p1

Inhalation Exposure to 1,3-Dichloropropene in the Dutch Flower-Bulb Culture. Part II. Biological Monitoring by Measurement of Urinary Excretion of Two Mercapturic Acid Metabolites Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p6

Effects of Cadmium on Metal Composition and Adenylate Energy Charge in the Sea Star Asterias rubens L Archives of Environmental Contamination and Toxicology, Jul 91, v21,

nation and Toxicology, Jul 91, v21, n1, p112

A Field Study of Stress Indices in the

Sea Mussel, Mytilus edulis: Application of the "Stress Approach" in Biomonitoring Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p497

Air Quality and Deposition of Trace Elements in the Province of South-Holland Atmospheric Environment, 1991, v25A, n3/4, p691

Sensitivity of Oxidant Concentrations on Changes in UV Radiation and Temperature *Atmospheric Environment*, 1991, v25A, n5/6, p1025

Calculation of Long-Term Averaged and Episodic Oxidant Concentrations for the Netherlands *Atmospheric Environment*, 1991, v25A, n9, p1809

Effects of Benzo(a)pyrene on Food Assimilation and Growth Efficiency in *Porcellio scaber* (Isopoda) Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p134

Occurrence of Dioxins in Cow's Milk in the Vicinity of Municipal Waste Incinerators and a Metal Reclamation Plant in the Netherlands Chemosphere, 1991, v23 n11-12, p1675

Biomonitoring of Heavy Metals in the Western European Rivers Rhine and Meuse Using the Freshwater Mussel *Dreissena polymorpha* Environmental Pollution, 1991, v74 n2, p101

Changes in Phosphorus Cycling in a Shallow Lake Due to Food Web Manipulations Freshwater Biology, Feb 91, v25, n1, p9 Extracellular Enzyme Activity Associated with Suspended Matter in the River Rhine Freshwater Biology, Dec 91, v26, n3, p507

Effects of Nutrient Enrichment in Dutch Chalk Grassland Journal of Applied Ecology, Apr 91, v28, n1, p28

The Abundance of Shore Crabs Carcinus maenas (L.) on a Tidal Flat in the Wadden Sea after Cold and Mild Winters
Journal of Experimental Marine
Biology and Ecology, 1991, v153, n1, p97

Quantitative Variation of Total and Individual High Molecular Weight Glutenin Subunits of Wheat in Relation to Variation in Environmental Conditions

Journal of the Science of Food and Agriculture, 1991, v57, n3, p405

Chlorine Dioxide as a Post-Disinfectant for Dutch Drinking Water Science of the Total Environment, 1991, v102, p101

Polycyclic Aromatic Hydrocarbon (PAH) Concentrations in Ambient Airborne Particles from Local Traffic and Distant Sources; Variation of the PAH Profile Science of the Total Environment, 1991, v103, p1

Occurrence and Behaviour of Several Groups of Organic Micropollutants in the Scheldt Estuary Science of the Total Environment, 1991, v103, p57

QSAR in Environmental Sciences and Drug Design Science of the Total Environment, 1991, v109/110, p1

Prediction of Contradictions Between Technologically and Environmentally Relevant Properties of PCBs Science of the Total Environment, 1991, v109/110, p237

QSARs in Netherlands Water Quality Management Policies Science of the Total Environment, 1991, v109/110, p677

Construction of Isolinear Maps of Soil Attributes with Empirical Confidence Limits Soil Science Society of America Journal, Jan/Feb 91, v55, n1, p14

Phosphorus Loads from Peaty Polders in the SW Frisian Lake District, The Netherlands Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p321

The Influence of pH on Phosphate Release from Lake Sediments Water Research, Mar 91, v25, n3, p309

The Analysis of Halogenated Acetic Acids in Dutch Drinking Water Water Research, Apr 91, v25, n4, p473

Ion Concentrations in Interstitial Water as Indicators for Phosphorus Release Processes and Reactions Water Research, May 91, v25, n5, p591

Deriving Quality Criteria for Water and Sediment from the Results of Aquatic Toxicity Tests and Product Standards: Application of the Equilibrium Partitioning Method Water Research, Jun 91, v25, n6, p697

A Simple, Dynamic Model for the Simulation of the Release of Phosphorus from Sediments in Shallow, Eutrophic Systems

Water Research, Jun 91, v25, n6, p737

The Influence of Mussel Beds on Nutrients in the Western Wadden Sea and Eastern Scheldt Estuaries Estuaries, Jun 91, v14, n2, p130

Oxygen-consuming Processes at the Profundal and Littoral Sediment-Water Interface of a Small Meso-eutrophic Lake (Lake Vechten, The Netherlands)

Limnology and Oceanography, Sep 91, v36, n6, p1124

# Nevada, Northern

Aquatic Habitat Condition Index, Stream Type, and Livestock Bank Damage in Northern Nevada Water Resources Bulletin, Aug 91, v27, n4, p667

## Nevada, Reno

Surface Cloud Condensation Nuclei and Condensation Nuclei Measurements at Reno, Nevada Atmospheric Environment, 1991, v25A, n10, p2285

The Changing Environment of a Desert Boomtown Science of the Total Environment, 1991, v105, p233

#### Nevada, Yerington

Fallout <sup>131</sup>I in Western Nevada Cattle Thyroid Glands: 1962-Early 1969 Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p485

## Nevada, Yucca Mountain

Scientific Certainty and the Laws that Govern Location of a Potential High-Level Nuclear Waste Repository Environmental Management, May/ Jun 91, v15, n3 p311

Perceived Risk, Stigma, and Potential Economic Impacts on a High-Level Nuclear Waste Repository in Nevada Risk Analysis, Dec 91, v11, n4, p683

## New Hampshire, Central

Whole-Tree Clear-Cutting Effects on Soil Horizons and Organic-Matter Pools Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p497

Whole-Tree Clear-Cutting Effects on Exchangeable Cations and Soil Acidity Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p502

# New Hampshire, Hubbard Brook Experimental Forest

Soil Solution Phosphorus Dynamics in a Whole-Tree-Harvested North Hardwood Forest Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1746

# New Hampshire, Pemigewasset Wilderness Area

Use of the Tobit Model in Contingent Valuation: Experimental Evidence from the Pemigewasset Wilderness Area

Journal of Environmental Management, Jul 91, v33, n1, p79

## **New Jersey**

Bacterial Nutrients in Drinking Water Applied and Environmental Microbiology, Mar 91, v57, n3, p857

Antibiotic Production by Marine Algae Isolated from the New York/ New Jersey Coast Bulletin of Environmental Contamination and Toxicology, Mar 91, v46, n3, p329

Levels and Patterns of PCDD and PCDF Contamination in Fish, Crabs, and Lobsters from Newark Bay and the New York Bight Chemosphere, 1991, v22 n3-4, p239

Effects of Sphagnum Moss and Urban Runoff on Bioavailability of Lead and Zinc from Acidic Wetlands of the New Jersey Pinelands Environmental Pollution, 1991, v72 n4, p317

A Major Incident of Dioxin Contamination: Sediments of New Jersey Estuaries

Environmental Science and Technology, May 91, v25, n5, p951

Microbiological Study of Ten New Jersey Rotating Biological Contactor Wastewater Treatment Plants Research Journal of the Water Pollution Control Federation, 1991, v63, n1, p35

Determination of Nonregulated Pollutants in Three New Jersey Publicly Owned Treatment Works (POTWs) Research Journal of the Water Pollution Control Federation, 1991, v63, n2, p104

Current Status of Glass as a Retrospective Radon Monitor
"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-3

Influence of Radon Concentrations on the Relationship Among Radon Measurements Within Dwellings (Abstract)

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-69

New Jersey's Radon Program—1991 "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p7-37

How to Determine if Radon Measurement Firms are Providing Accurate Readings "Proceedings: The 1991 International

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL2-37

Occupational Safety During Radon Mitigation: Field Experience and Survey Monitoring Results "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP2-3

New Jersey/EPA Waste Minimization Assessments "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p677

## New Jersey, Atlantic City

Determining the Mean Hydraulic Gradient of Ground Water Affected by Tidal Fluctuations Ground Water, Jul-Aug 91, v29, n4, p549

#### New Jersey, Central

Accumulated Exposure to Ozone and Measurement of Health Effects in Children and Counselors at Two Summer Camps *Environmental Research*, Apr 91, v54, n2, p135

### New Jersey, Edison

EPA's Mobile Volume Reduction Unit for Soil Washing "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p89

# New Jersey, Hudson County

The Health Hazards Posed by Chromium-Contaminated Soils in Residential and Industrial Areas: Conclusions of an Expert Panel Regulatory Toxicology and Pharmacology, Apr 91, v13, n2, p195

# New Jersey, Newark

Comparison of Two Multivariate Modeling Approaches for the Source Apportionment of Inhalable Particulate Matter in Newark, NJ Atmospheric Environment, 1991, v25A, n5/6, p927

### New Jersey. Northern

Assessment of the Human Health Risks Posed by Exposure to Chromium-Contaminated Soils Journal of Toxicology and Environmental Health, 1991, v32, n2, p161

# New Jersey, Northwestern

Effects of Single- and Multiday Ozone Exposures on Respiratory Function in Active Normal Children Environmental Research, Aug 91, v55, n2, p107

#### New Jersey, Pinelands

Chamaecyparis thyoides Wetlands and Suburbanization: Effects on Hydrology, Water Quality and Plant Community Composition Journal of Applied Ecology, Aug 91, v28, n2, p467

#### New Jersey, Princeton

Intercomparison of Activity Size Distribution Measurements with Manual and Automated Diffusion Batteries—Field Test "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-51

Natural Basement Ventilation as a Radon Mitigation Technique "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p4-61

#### New Jersey, Somerset

Effect of Added Reactive Aluminum on Aldicarb Adsorption by a High Organic Soil

Bulletin of Environmental Contamination and Toxicology, Jul 91, v47, n1, p112

## New Jersey, West Caldwell

Dechlorination of Chlorendic Acid with Ozone Water Research, Jan 91, v25, n1, p83

#### **New Mexico**

Soil Gas and Radon Entry Potentials for Slab-on-Grade Houses "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p5-53

Geologic Evaluation of Radon Availability in New Mexico: A Progress Report "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP9-3

# New Mexico, Las Cruces

Factors Controlling Denitrification in a Chichuahuan Desert Ecosystem Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1694

#### New Mexico, North Central

Laboratory Measurements of Diffusion Coefficients for Trichloroethylene and Orthoxylene in Undisturbed Tuff

Journal of Environmental Quality, Jan-Mar 91, v20, n1, p215

#### New Mexico, Northwestern

Nitrification Potential in Reclaimed Coal Mine Spoils and Soils in the Semiarid Southwest Journal of Environmental Quality, Jan-Mar 91, v20, n1, p279

### **New York**

Antibiotic Production by Marine Algae Isolated from the New York/ New Jersey Coast Bulletin of Environmental Contamination and Toxicology, Mar 91, v46, n3, p329

Levels and Patterns of PCDD and PCDF Contamination in Fish, Crabs, and Lobsters from Newark Bay and the New York Bight Chemosphere, 1991, v22 n3-4, p239 Current Status of Glass as a Retrospective Radon Monitor "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p3-3

#### New York, Central

Urinary Mutagens in Cosmetologists and Dental Personnel Journal of Toxicology and Environmental Health, 1991, v34, n2, p197

Epidemiologic Study of Cadmium and Lead in the Hair of Ceramists and Dental Personnel Journal of Toxicology and Environmental Health, 1991, v34, n4, p423

## New York, Franklin County

The Effect of Carbon Dioxide Equilibrium on pH in Dilute Lakes Water Research, Feb 91, v25, n2, p185

#### New York, Hudson River

Decomposition of Hudson Estuary Macrophytes: Photosynthetic Pigment Transformations and Decay Constants Estuaries, Mar 91, v14, n1, p65

Model of Fate and Accumulation of PCB Homologues in Hudson Estuary Journal of Environmental Engineering, Mar/Apr 91, v117, n2, p161

Weak Coupling of Bacterial and Algal Production in a Heterotrophic Ecosystem: The Hudson River Estuary Limnology and Oceanography, Mar 91, v36, n2, p268

#### New York, Ithica

Environmental Effects of Landfills Science of the Total Environment, 1991, v100, p415

#### New York, Jamaica Bay

Metal Pollution in Sediments of Jamaica Bay, New York, USA—An Urban Estuary Environmental Management, Jan/Feb 91, v15, n1, p73

# New York, Long Island

Levels and Sources of PCDDs, PCDFs, Chlorophenols (CPs) and Chlorobenzenes (CBzs) in Composts from a Municipal Yard Waste Composting Facility Chemosphere, 1991, v23 n2, p181

## New York, Long Island Sound

Environmental Quality of Long Island Sound: Assessment and Management Issues Estuaries, Sep 91, v14, n3, p224

Estimates of Sediment Fluxes in Long Island Sound Estuaries, Sep 91, v14, n3, p237

Oxygen Depletion in Long Island Sound: A Historical Perspective Estuaries, Sep 91, v14, n3, p248

Mechanisms Controlling Summertime Oxygen Depletion in Western Long Island Sound Estuaries, Sep 91, v14, n3, p265

Long Island Sound: Distributions, Trends, and Effects of Chemical Contamination *Estuaries*, Sep 91, v14, n3, p279

A Comparative Study of Contaminant Levels in Long Island Sound Estuaries, Sep 91, v14, n3, p290

Multidisciplinary Assessment of Pollution at Three Sites in Long Island Sound Estuaries, Sep 91, v14, n3, p299

Sublethal Abnormalities in Embryos of Winter Flounder, Pseudopleuronectes americanus, from Long Island Sound Estuaries, Sep 91, v14, n3, p306

Comparative Reproductive Success of Winter Flounder in Long Island Sound: A Three-year Study (Biology, Biochemistry, and Chemistry)

Estuaries, Sep 91, v14, n3, p318

Early Reproductive Success of the Hard Clam (Mercenaria mercenaria) from Five Sites in Long Island Sound Estuaries, Sep 91, v14, n3, p332

## New York, Monroe County

Methylene Chloride Exposure and Birthweight in Monroe County, New York Environmental Research, Jun 91, v55, n1, p31

## New York, Ninemile Creek

Pollutant Loadings from Solvay Waste Beds to Lower Ninemile Creek, New York Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p427

## New York, Onondaga Lake

Individual Particle Analysis of Suspended Materials in Onondaga Lake, New York Environmental Science and Technology, Apr 91, v25, n4, p736

# New York, Rochester

Sewage Sludge as a Source of Environmental Selenium Science of the Total Environment, 1991, v100, p177

Estimation of Maximum Tolerated Dose for Long-Term Bioassays from Acute Lethal Dose and Structure by QSAR

Risk Analysis, Sep 91, v11, n3, p509

## New York, Southeastern

Heavy Metal Accumulations in Forest Soils along an Urban-Rural Gradient in Southeastern New York, USA Water, Air, and Soil Pollution, Aug 91, v57-58, p797

## New York, Syracuse

Extraction Efficiencies of Organochlorine Compounds from Niagara River Water Environmental Science and Technology, Aug 91, v25, n8, p1432

#### **New Zealand**

Water and Soil Management in New Zealand Journal of Environmental Management, Jul 91, v33, n1, p1

Effectiveness of a Commonly Used Sequential Extraction Technique in Determining the Speciation of Cadmium in Soils Science of the Total Environment, 1991, v105, p191

Deoxygenation in a Mobile-Bed River—I. Field Studies Water Research, Dec 91, v25, n12, p1487

Deoxygenation in a Mobile-Bed River—II. Model Calibration and Post-Audit Water Research, Dec 91, v25, n12, p1499

Reforestation in New Zealand "Proceedings of the International Workshop on Large Scale Reforestation," p41

#### Nigeria

Concentrations of Trace and Other Elements in the Organs of Wild Rats and Birds from the Northern Guinea Savanna of Nigeria Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p79

Lichens as Bioindicators of Aerial Fallout of Heavy Metals in Zaria, Nigeria Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p413

Sustaining Tree Crop Production Under Intensive Land Use: an Investigation into Soil Quality Differentiation Under Varying Cropping Patterns in Western Nigeria Journal of Environmental Management, Mar 91, v32, n2, p105

Lead and Other Metals Distribution in Local Cooking Salt from the Fofi Salt-Spring in Akwana, Middle Benue Trough, Nigeria Journal of Environmental Science and Health—Pesticides, Food Contaminants, and Agricultural Wastes, 1991, vB26, n3 p357

#### North Carolina

Applicator Exposure to Airborne Concentrations of a Termiticide Formulation of Chlorpyrifos Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p177 Formic and Acetic Acids in Coastal North Carolina Rainwater Environmental Science and Technology, Nov 91, v25, n11, p1875

Cellulose Decay in Natural and Disturbed Peatlands in North Carolina Journal of Environmental Quality.

Journal of Environmental Quality, Jul-Sep 91, v20, n3, p695

## North Carolina, Coast

Phosphorus Availability in Acid Organic Soils of the Lower North Carolina Coastal Plain Ecology, Dec 91, v72, n6, p2083

### North Carolina, Dills Creek

Are Spartina Marshes a Replaceable Resource? A Functional Approach to Evaluation of Marsh Creation Efforts Estuaries, Mar 91, v14, n1, p1

#### North Carolina, Durham

Mechanical Dewatering of Alum Solids and Acidified Solids: An Evaluation American Water Works Association Journal, Sep 91, v83, n9, p50

Summary of the 1991 EPA/A&WMA International Symposium: Measurement of Toxic and Related Air Pollutants

Journal of the Air and Waste Management Association, Nov 91, v41, n11, p1432

# North Carolina, Eastern

Loss on Ignition and Kjeldahl Digestion for Estimating Organic Carbon and Total Nitrogen in Estuarine Marsh Soils: Calibration with Dry Combustion Estuaries, Jun 91, v14, n2, p175

#### North Carolina, Mt. Mitchell

Interannual Variability in Acidic Deposition on the Mt. Mitchell Area Forest Atmospheric Environment, 1991,

v25A, n2, p517

In-Cloud Scavenging and Deposition of Sulfates and Nitrates: Case Studies and Parametrerization *Atmospheric Environment*, 1991, v25A, n10, p2301

### North Carolina, Neuse River

Zooplankton Abundance and Community Structure in a Mesohaline North Carolina Estuary *Estuaries*, Dec. 91, v14, n4, p481

The Relationship Between Beam Transmission and Concentration of Suspended Particulate Material in the Neuse River Estuary, North Carolina Estuaries, Dec. 91, v14, n4, p395

# North Carolina, Piedmont

Manganese Distributions in Acid Soils of the North Carolina Piedmont Soil Science Society of America Journal, Jan/Feb 91, v55, n1, p152

Experiments on Mechanisms of Tree Establishment in Old-Field Succession: Seedling Emergence *Ecology*, Jun 91, v72, n3, p1066

Experiments on Mechanisms of Tree Establishment in Old-Field Succession: Seedling Survival and Growth *Ecology*, Jun 91, v72, n3, p1076

## North Carolina, Raleigh

Augmentation of an Endemic Entomogenous Nematode by Agroecosystem Manipulation for the Control of a Soil Pest Agriculture, Ecosystems and Environment, Aug 91, v36, n3-4, p175

Driver Exposure to Volatile Organic Compounds, CO, Ozone, and NO<sub>2</sub> under Different Driving Conditions Environmental Science and Technology, May 91, v25, n5, p964

A Risk-Based Model for Drought Contingency Planning Water Resources Bulletin, Feb 91, v27, n1, p117

# North Carolina, Research Triangle Park

Particulate Characteristics and Visual Effects of the Atmosphere at Research Triangle Park

Journal of the Air and Waste Management Association, Feb 91, v41, n2, p154

A Tedlar Bag Sampling System for Toxic Organic Compounds in Source Emission Sampling and Analysis Journal of the Air and Waste Management Association, Aug 91, v41, n8, p1095

## North Carolina, South Creek Estuary

Finfish Utilization of Man-initiated and Adjacent Natural Creeks of South Creek Estuary, North Carolina Using Multiple Gear Types Estuaries, Dec. 91, v14, n4, p447

#### **North Dakota**

Sulfometuron Persistence and Movement in Soil and Water in North Dakota Journal of Environmental Quality, Jan-Mar 91, v20, n1, p209

Topographic Effects on Spring Wheat Yields and Water Use Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1680

Radon Measurements in North Dakota Schools "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-27

#### North Dakota, Mandan

Growth Characteristics of Legume Cover Crops in a Semiarid Environment Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1659

# **North Sea**

Spore-Forming Thermophilic Sulfate-Reducing Bacteria Isolated from North Sea Oil Field Waters Applied and Environmental Microbiology, Aug 91, v57, n8, p2302

Particulate Trace Metals Above the Southern Bight of the North Sea—I. Analytical Procedures and Average Aerosol Concentrations *Atmospheric Environment*, 1991, v25A, n2, p293

Modelling the Atmospheric Transport of Trace Metals Including the Role of Precipitating Clouds *Atmospheric Environment*, 1991, v25A, n3/4, p779

Particulate Trace Metals Above the Southern Bight of the North Sea—II. Origin and Behaviour of the Trace Metals

Atmospheric Environment, 1991, v25A, n5/6, p1077

Benthic Population Studies of a North Sea Disposal Area Used for Industrial Liquid Waste Environmental Pollution, 1991, v69 n2&3, p181

The Atmospheric Input Flux of Trace Metals to the North Sea; a Review and Recommendations for Research Science of the Total Environment, 1991, v100, p301

# Norway

Comparative Study of a DNA Hybridization Method and Two Isolation Procedures for Detection of Yersinia enterocolitica O:3 in Naturally Contaminated Pork Products Applied and Environmental Microbiology, Feb 91, v57, n2, p389

Levels of Environmental Pollutants in Male and Female Flounder (Platichthys flesus L.) and Cod (Gadus morhua L.) Caught during the Year 1988 near or in the Waterway of Glomma, the Largest River of Norway, I. Polychlorinated Biphenyls Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p353

Environmental Contaminants and Biochemical Responses in Flatfish from the Hvaler Archipelago in Norway Archives of Environmental Contamination and Toxicology, Nov 91, v21, n4, p486

C<sub>2</sub>-C<sub>5</sub> Hydrocarbons in Rural South Norway Atmospheric Environment, 1991, v25A, n9, p1981

Pilot Plant Tests with a Wet Electrostatic Precipitator for Reducing PCDD/PCDF in Corrosive Off-Gas from Magnesium Production Chemosphere, 1991, v23 n8-10, p1097

Method for Locally Adapted Water-Pollution Abatement in Lake Mjosa, Norway

Journal of Water Resources Planning and Management, Jul/Aug 91, v117, n4, p415

A Nation-Wide Survey of the Chemical Composition of Drinking Water in Norway Science of the Total Environment, 1991, v102, p35

Atmospheric Deposition of Mercury in Norway: Temporal and Spatial Trends
Water, Air, and Soil Pollution, Apr 91, v56, p391

#### Ohio

The STEM-II Regional-Scale Acid Deposition and Photochemical Oxidant Model—III. A Study of Mesoscale Acid Deposition in the Lower Ohio River Valley Atmospheric Environment, 1991, v25A, n12, p2873

Littoral Zooplankton Responses to Acid and Aluminum Stress During Short-Term Laboratory Bioassays Environmental Pollution, 1991, v73 n1, p71

Chemical Composition of Ochreous Precipitates from Ohio Coal Mine Drainage Journal of Environmental Quality, Apr-Jun 91, v20, n2, p452

Temporal Trends in Fluvial-Sediment Discharge in Ohio, 1950-1987 Journal of Soil and Water Conservation, Jul-Aug 91, v46, n4, p311

A Probabilistic Production Costing Analysis of SO<sub>2</sub> Emissions Reduction Strategies for Ohio: Emissions, Cost, and Employment Tradeoffs Journal of the Air and Waste Management Association, Jul 91, v41, n7, p956

Differential Phosphorus Retention in Soil Profiles under No-Till Crop Production Soil Science Society of America Journal, Mar/Apr 91, v55, n2, p410 Comparison on Long-Term Radon Detectors and Their Correlations with Bedrock Sources and Fracturing "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP9-33

#### Ohio, Bluffton

Design, Construction and Operation of an Industrial Wastewater Treatment Plant "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p697

### Ohio, Central

Perceptions of Conservation Compliance Among Farmers in a Highly Erodible Area of Ohio *Journal of Soil and Water Conservation*, May-Jun 91, v46, n3, p220

White Crappie Summer Movements and Habitat Use in Delaware Reservoir, Ohio North American Journal of Fisheries Management, Fall 91, V11, n4, p504

A Proposed Method for Drought Monitoring Water Resources Bulletin, Apr 91, v27, n2, p275

#### Ohio, Cincinnati

Treatment Technology Evaluation for Aqueous Metal and Cyanide Bearing Hazardous Wastes (F007)

Journal of the Air and Waste Management Association, May 91, v41, n5, p710

Engineering Bulletins: Aids to the Development of Remedial Alternatives

Journal of the Air and Waste Management Association, Oct 91, v41, n10, p1393

U.S. EPA SITE Demonstration of AWD Technologies' AquaDetox/ SVE System Journal of the Air and Waste Management Association, Nov 91, v41, n11, p1519 Fate and Treatability of Dyes in Wastewater "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p594

Vapor-Liquid Equilibrium Studies at the U.S. Environmental Protection Agency's Test and Evaluation (T&E) Facility

"Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p688

EPA's Synthetic Soil Matrix (SSM) Blending Facility "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p690

Center Hill Solid and Hazardous Waste Research Facility "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p695

Validation of a Four-day Ceriodaphnia Toxicity Test and Statistical Considerations in Data Analysis

Environmental Toxicology and Chemistry, 1991, v10, n1, p47

#### Ohio, Columbus

User-Specific Water Demand Elasticities Journal of Water Resources Planning and Management, Jan/Feb 91, v117, n1, p52

Improved Sludge Dewatering "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p463

#### Ohio, Dayton

Hazardous Waste Disposal Firm Increases Treatment Capacity by Installing New Biological Treatment Process "Proceedings of the Forty-fifth Industrial Waste Conference, May 8,

9, 10, 1990, Purdue University," p197

Non-Conventional Metal Precipitation at a Printed Circuit Board Manufacturer: A Case Study "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p783

#### Ohio, Defiance

Remediation of GMC-Central Foundry Division—Defiance Foundry Hazardous Waste Settling Basin "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p37

Detailed Engineering Design and Full-Scale Testing for Treatment of an EP-Toxic Sludge "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p187

#### Ohio River

A Comparison of Ozone Injury to Vegetation During Moist and Drought Years Journal of the Air and Waste Management Association, Jan 91, v41, n1, p63

#### Oklahoma

The Measurement of Bioavailable Phosphorus in Agricultural Runoff Journal of Environmental Quality, Jan-Mar 91, v20, n1, p235

## Oklahoma, Harper County

Salinity, Nitrate, and Water in Rangeland and Terraced Wheatland above Saline Seeps Journal of Environmental Quality, Jan-Mar 91, v20, n1, p8

## Oklahoma, Pryor

Evaluation of Ultrastructural Hepatic Response to Environmental Toxicants in Wild Cotton Rats (Sigmodon hispidus) Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p321

#### **Oman**

Hydrocarbons in Seawater, Sediment, and Oyster from the Omani Coastal Waters

Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p386

Tar Loads on Omani Beaches Bulletin of Environmental Contamination and Toxicology, Nov 91, v47, n5, p732

# Oregon

Oregon, USA, Ecological Regions and Subregions for Water Quality Management *Environmental Management*, Nov/Dec 91, v15, n6 p847

Assessing Water Quality Journal of Environmental Health, May/Jun 91, v53, n6, p29

Managing Oregon's Estuarine Resource Lands Journal of Soil and Water Conservation, Jan-Feb 91, v46, n1, p23

#### Oregon, Clackamas

Summary Results of the SITE Demonstration for the CHEMFIX Solidification/Stabilization Process "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p19

#### Oregon, Portland

Sources and Source Strengths of Volatile Organic Compounds in a New Office Building Journal of the Air and Waste Management Association, Nov 91, v41, n11, p1461

### Oregon, Southwestern

Downstream Effects of Timber Harvesting on Channel Morphology in Elk River Basin, Oregon Journal of Environmental Quality, Jan-Mar 91, v20, n1, p60

## Oregon, Steamboat Creek

Analysis and Modeling of Long-Term Stream Temperatures on the Steamboat Creek Basin, Oregon: Implications for Land Use and Fish Habitat Water Resources Bulletin, Aug 91, v27, n4, p637

# Oregon, Western

Fogwater Chemistry in a Wood-Burning Community, Western Oregon

Journal of the Air and Waste Management Association, Jan 91, v41, n1, p32

Long-Term Changes in Streamflow Following Logging in Western Oregon and Associated Fisheries Implications Water Resources Bulletin, Apr 91, v27, n2, p217

### **Pacific Ocean**

Recent Measurements of Oxidized Nitrogen Compounds in the Troposphere Atmospheric Environment, 1991, v25A, n9, p1905

Mercury Speciation in Open Ocean Waters
Water, Air, and Soil Pollution, Apr 91, v56, p779

Pigment-specific Rates of Phytoplankton Growth and Microzooplankton Grazing in the Open Subarctic Pacific Ocean Limnology and Oceanography, Jan 91, v36, n1, p50

#### **Pakistan**

Physicochemical Characterization of Industrial Effluents and Their Effect on Fish Survival

Journal of Environmental Science and Health—Pesticides, Food

Contaminants, and Agricultural

Wastes, 1991, vB26, n5&6 p683

# **Panama**

Seasonal Drought and the Phenology of Understory Shrubs in a Tropical Moist Forest Ecology, Oct 91, v72, n5, p1643

## Pennsylvania

Statistical Analysis of Errors in Estimating Wet Deposition Using Five Surface Estimation Algorithms Atmospheric Environment, 1991, v25A, n2, p317

Use of Avian and Mammalian Guilds as Indicators of Cumulative Impacts in Ruparian-Wetland Areas

Environmental Management, Sep/Oct 91, v15, n5 p701

Runoff Curve Numbers for Reclaimed Surface Mines in Pennsylvania

Journal of Irrigation and Drainage Engineering, Sep/Oct 91, v117, n5, p656

Causes of Elevated Post-Mitigation Radon Concentrations in Basement Houses Having Extremely High Pre-Mitigation Levels "Proceedings: The 1991 International Symposium on Radon and Radon

Unit Ventilator Operation and Radon Concentrations in a Pennsylvania School

Reduction Technology," p4-3

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP3-43

# Pennsylvania, Chestnut Ridge

Measurements of Sulfate Aerosol and its Acidity in the SO<sub>2</sub> Source Region of Chestnut Ridge, PA Atmospheric Environment, 1991, v25A, n7, p1327

## Pennsylvania, Douglasville

Long-term Monitoring of the HAZCON Stabilization Process at the Douglasville, Pennsylvania Superfund Site

Journal of the Air and Waste Management Association, Jan 91, v41, n1, p88

## Pennsylvania, Eastern

Guidelines for Radon/Radon Decay Product Testing in Real Estate "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL2-17

#### Pennsylvania, Lehigh Valley

SITE Demonstration of Microfiltration Technology for Groundwater Contaminated with Metals "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p1

## Pennsylvania, Media

Effects of Humidity and Rainfall on Radon Levels in a Residential Dwelling "Proceedings: The 1991 International

"Proceedings: The 1991 Internationa Symposium on Radon and Radon Reduction Technology," pP5-23

## Pennsylvania, Northeastern

Presence of Stable Coal Radicals in Autopsied Coal Miners' Lungs and Its Possible Correlation to Coal Miners' Pneumoconiosis Archives of Environmental Health, Nov/Dec 91, v46, n6, p366

### Pennsylvania, Philadelphia

Hazardous Waste Disposal Firm Increases Treatment Capacity by Installing New Biological Treatment Process

"Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p197

Waste Minimization Assessment Centers—Cost Savings Recommended and Implemented in Twelve Manufacturing Plants "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p445

## Pennsylvania, Pittsburgh

Air Emissions from Municipal Waste Combustion and Their Environmental Effects

Science of the Total Environment, May 1, 91, v104, n1&2, p87

## Pennsylvania, Southeastern

A Field Study of Macropore Flow Under Saturated Conditions Using a Bromide Tracer Journal of Soil and Water Conservation, Sep-Oct 91, v46, n5, p376

Developmental Strategy for the Implementation of Solid Waste Reclamation: Foundry Industry "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p767

#### **Poland**

Concentration of Metals in Various Larval Stages of Four *Ephemeroptera* Species

Bulletin of Environmental Contamination and Toxicology, Jun 91, v46, n6, p901

Evaluation of Simultaneous Industrial and Environmental Exposure to Metals Science of the Total Environment, 1991, v101, p149

The Priority List of Environmental Chemical Hazards in Poland Science of the Total Environment, 1991, v101, p153

Baseline Data for Cadmium and Lead in Soils and Some Cereals of Poland Water, Air, and Soil Pollution, Aug 91, v57-58, p723

Effect of Sodium Chloride on the Metabolic Activity of Halophilic Bacteria Isolated from the Lake Gardno Estuary *Estuaries*, Dec. 91, v14, n4, p495

# **Portugal**

Particulate and Gaseous Air Pollutant Levels at the Portuguese West Coast Atmospheric Environment, 1991, v25A, n3/4, p669

Canine Leishmaniasis: Pathological and Ecological Factors Influencing Transmission of Infection Journal of Parasitology, Aug 91, v77, n4, p557

Mercury Desorption from Contaminated Sediments *Water, Air, and Soil Pollution, Apr* 91, v56, p77

#### **Puerto Rico**

Lead, Mercury, and Cadmium in Feathers of Tropical Terns in Puerto Rico and Australia Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p311

Size Distribution of Trace Metals in Ponce. Puerto Rico Air Particulate Matter *Atmospheric Environment*, 1991, v25B, n1, p121

Evapotranspiration Estimation for Data-Short Environment Journal of Irrigation and Drainage Engineering, Jan/Feb 91, v117, n1, p107

Fishing a Superfund Site: Dissonance and Risk Perception of Environmental Hazards by Fishermen in Puerto Rico

Risk Analysis, Jun 91, v11, n2, p269

# Rhode Island, Narragansett

Cytochrome P450E (P450IA) Induction and Inhibition in Winter Flounder by 3,3',4,4'-Tetrachlorobiphenyl: Comparison of Response in Fish from Georges Bank and Narragansett Bay Environmental Toxicology and Chemistry, 1991, v10, n6, p765

#### Saudi Arabia

Reverse Osmosis Applications in Saudi Arabia American Water Works Association Journal, Jun 91, v83, n6, p72

Survey of Saudi Arabian Drinking Water for Trihalomethanes Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p305

Evaluation of Water Resources Alternatives in Saudi Arabia in Multi-Objective Framework Desalination, 1991, v81, p77

Dynamic-Node-Numbering Concept in Channel Network Model Journal of Irrigation and Drainage Engineering, Jan/Feb 91, v117, n1, p48

Design and Construction of Bulk Storage Reservoirs—Muna, Saudi Arabia

Journal of the Institution of Water and Environmental Management, Jun 91, v5, n3, p283

Metal Chemistry of Irrigation and Drainage Waters of Al-Ahsa Oasis of Saudi Arabia and its Effects on Soil Properties

Water, Air, and Soil Pollution, Aug 91, v57-58, p773

# Senegal

The Impact of Furadan 3G (Carbofuran) Applications on Aquatic Macroinvertebrates in Irrigated Rice in Senegal Archives of Environmental Contamination and Toxicology, Feb 91, v20,

## Singapore

n2, p177

Clay-Blended Sludge as Lightweight Aggregate Concrete Material Journal of Environmental Engineering, Nov/Dec 91, v117, n6, p834

#### South Africa

Power Line Insulator Pollution and Power Dips in Natal, South Africa Atmospheric Environment, 1991, v25A, n10, p2329

Contamination of Soils and Sediments in the Vicinity of a Mercury Recovery Plant Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p74

Effects of Invasive Alien Acacias on Nutrient Cycling in the Coastal Lowlands of the Cape Fynbos Journal of Applied Ecology, Apr 91, v28, n1, p1

Malaria Control and Levels of DDT in Serum of Two Populations in KwaZulu *Journal of Toxicology and Environmental Health*, 1991, v33, n2, p141

### South Carolina

The Effect of Latex Gloves and Nylon Cord on Ground Water Sample Quality Ground Water Monitoring Review, Summer 91, v11, n3, p98

Maize Populations with Resistance to Field Contamination by Aflatoxin B<sub>1</sub> Journal of the Science of Food and Agriculture, 1991, v54, n2, p235

#### South Carolina, Aiken

Interactions of Acidic Metal-Rich Coal Pile Runoff with a Subsoil Environmental Science and Technology, Dec 91, v25, n12, p2038 Comparison of Three Methods for Measuring Residual Chlorine Water Research, Oct 91, v25, n10, p1303

# South Carolina, Coastal Plain

Physiological Diversity and Distributions of Heterotrophic Bacteria in Deep Cretaceous Sediments of the Atlantic Coastal Plain Applied and Environmental Microbiology, Feb 91, v57, n2, p402

Isolation and Characterization of a Subsurface Bacterium Capable of Growth on Toluene, Naphthalene, and Other Aromatic Compounds Applied and Environmental Microbiology, Mar 91, v57, n3, p796

# South Carolina, Eastern

Transport of Metal Cations through a Nutrient-Poor Forest Ecosystem Water, Air, and Soil Pollution, Aug 91, v57-58, p279

# South Carolina, North Charleston

Acrobic Biodegradation Potential of Subsurface Microorganisms from a Jet Fuel-Contaminated Aquifer Applied and Environmental Microbiology, Jan 91, v57, n1, p57

#### South Carolina, North Inlet

Diel Variations in Gut Fullness of Juvenile Spot, *Leiostomus xanthurus* (Pisces)

Estuaries, Mar 91, v14, n1, p94

#### South Dakota

Evaluation of Largemouth Bass-Yellow Perch Communities in Small South Dakota Impoundments North American Journal of Fisheries Management, Winter 91, V11, n1, p43

### South Dakota, Rapid City

Building Radon Mitigation into Inaccessible Crawlspace—New Residential Construction "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p8-57

## Spain

Waterborne Viruses Associated with Hepatitis Outbreak American Water Works Association Journal, Mar 91, v83, n3, p80

Levels of Chlorinated Insecticides, Total PCBs and PCB Congeners in Spanish Gull Eggs Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p343

A Toxicological Assessment of Water Pollution and Its Relationship to Aquaculture Development in Algeciras Bay, Cadiz, Spain Archives of Environmental Contamination and Toxicology, May 91, v20, n4, p480

Multiobjective Air Pollution Monitoring Network Design Atmospheric Environment, 1991, v25A, n2, p469

Comparative Study of Seasonal Air Pollutant Behavior in a Mediterranean Coastal Site: Castellón (Spain) Atmospheric Environment, 1991, v25A, n8, p1523

Statistical Analysis of the Madrid Urban Heat Island *Atmospheric Environment*, 1991, v25B, n3, p327

Lindane Pollution Near an Industrial Source in Northeast Spain Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p9

Short and Medium Effects on the Environment of Valencia, Spain, of the Chernobyl Nuclear Plant Accident Bulletin of Environmental Contamination and Toxicology, Jan 91, v46, n1, p14

Dietary Intake of Lead and Cadmium from Foods in Tarragona Province, Spain Bulletin of Environmental Contamination and Toxicology, Feb 91, v46, n2, p320

Organochlorine Pesticides in Cow's Milk from Agricultural Region in Northwestern Spain Bulletin of Environmental Contamination and Toxicology, Apr 91, v46, n4, p527

Changes in Selected Biochemical Parameters in the Brain of the Fish, Anguilla anguilla (L.), Exposed to Lindane Bulletin of Environmental Contamination and Toxicology, Sep 91, v47,

n3, p459

Effect of Lindane on the Blood of a Freshwater Fish Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p465

PCB Residues in the Adipose Tissue of the Population of Barcelona (Spain)

Bulletin of Environmental Contamination and Toxicology, Oct 91, v47, n4, p504

Effects of Cadmium on the Biochemical Composition of the Freshwater Crayfish *Procambarus clarkii Bulletin of Environmental Contamination and Toxicology*, Dec 91, v47, n6, p933

Chemical Characterization of Polycyclic Aromatic Hydrocarbon Mixtures in Uncontrolled Hazardous Waste Dumps Chemosphere, 1991, v22 n3-4, p317

Monitoring of Hazardous Waste Dumps by the Study of Metals and Solvent-Soluble Organic Chemicals Chemosphere, 1991, v22 n9-10, p913

Genotoxic Activity of Ether Insoluble Organic Compounds in Raw and Treated Water Extracts Chemosphere, 1991, v22 n12, p1089

Distributions of River-Transported Halogenated Biphenyls and Terphenyls in Coastal Environments Chemosphere, 1991, v23 n3, p327

Morphology and Quantitative Analysis of Fluvial Erosion Systems in the Hydrological Network of the Basque County Autonomous Region Journal of Environmental Management, Apr 91, v32, n3, p251 Agronomic Value of Urban Waste and the Growth of Ryegrass (Lolium perenne) in a Calciorthid Soil Amended with this Waste Journal of the Science of Food and Agriculture, 1991, v56, n4, p457

Air Pollution and Urinary Thioether Excretion in Children of Barcelona Journal of Toxicology and Environmental Health, 1991, v33, n2, p189

Wind Gustiness and Sulphur Dioxide Concentration in the Urban Area of Barcelona, Spain Science of the Total Environment, Oct 15, 91, v108, n3, p243

Volatile Organic Compounds in Two Polluted Rivers in Barcelona (Catalonia, Spain) Water Research, May 91, v25, n5, p577

Study of Evolution of Aluminium in Reservoirs and Lakes Water Research, Dec 91, v25, n12, p1465

Seasonal Variations in Size Structure and Procaryotic Dominance in Sulfurous Lake Cisó Limnology and Oceanography, Jul 91, v36, n5, p860

#### Sudan

Isolation and Characterization of Microorganisms Associated with the Traditional Sorghum Fermentation for Production of Sudanese Kisra Applied and Environmental Microbiology, Sep 91, v57, n9, p2529

## Sweden

Development of a Simple Passive Technique for the Determination of Nitrogen Dioxide in Remote Continental Locations Atmospheric Environment, 1991, v25A, n9, p1927

Automatic Unattended Sampling and Analysis of Background Levels of C<sub>2</sub>-C<sub>5</sub> Hydrocarbons Atmospheric Environment, 1991, v25A, n9, p1971

Deposition of Soot Related Hydrocarbons During Long-Range Transport of Pollution to Sweden

Atmospheric Environment, 1991, v25A, n10, p2251

Microbial Biomass and ATP in Smelter-Polluted Forest Humus Bulletin of Environmental Contamination and Toxicology, Aug 91, v47, n2, p278

Environmental Deposition of PCDDs and PCDFs as Determined by the Analysis of Snow Samples from Northern Sweden *Chemosphere*, 1991, v23 n8-10, p1359

Environmental Issues in Sweden 1973-1989: Science and Policy Environmental Management, Sep/Oct 91, v15, n5 p613

Factors Determining the Uptake of Persistent Pollutants in an Eel Population (Anguilla anguilla L.) Environmental Pollution, 1991, v69 n1, p39

Yield and Grain Quality of Spring Wheat (*Triticum aestivum* L., cv. Drabant) Exposed to Different Concentrations of Ozone in Open-Top Chambers *Environmental Pollution*, 1991, v69 n2&3, p151

Reversibility of Stemflow-induced Soil Acidification in Swedish Beech Forest Environmental Pollution, 1991, v74 n1, p31

Cadmium and Zinc in Mytilus edulis L. from the Bothnian Sea and the Northern Baltic Proper Environmental Pollution, 1991, v74 n3, p227

Long-Term High- and Low-Volume Air Sampling of Polychlorinated Dibenzo-p-dioxins and Dibenzofurans and Polycyclic Aromatic Hydrocarbons along a Transect from Urban to Remote Areas on the Swedish Baltic Coast

Environmental Science and Technology, Nov 91, v25, n11, p1841

Invertebrate Colonization of a New, Man-Made Stream in Southern Sweden Freshwater Biology, Oct 91, v26, n2, p307 The Cost of Edible Fish—Effects on the Swedish and Finnish Forest Industries from the Imposition of Effluent Charges on Chlorine Residuals in Sweden Journal of Environmental Management, Mar 91, v32, n2, p145

Radiocesium Levels in Swedish Moose in Relation to Deposition, Diet, and Age Journal of Environmental Quality, Jul-Sep 91, v20, n3, p690

Seasonal Uptake of Carbon and Nitrogen and Intracellular Storage of Nitrate in Planktonic Organisms in the Skagerrak Journal of Experimental Marine Biology and Ecology, 1991, v151, n1, p121

Mercury in the Swedish Environment Water, Air, and Soil Pollution, Jan 91, v55, n1/2, p1

Leaching of Nitrogen from a Forest Catchment at Söderåsen in Southern Sweden Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p263

Sampling and Determination of Gaseous and Particulate Mercury in the Atmosphere Using Gold-Coated Denuders Water, Air, and Soil Pollution, Apr 91, v56, p141

Mercury in Swedish Forest Soils and Waters—Assessment of Critical Load Water, Air, and Soil Pollution, Apr 91, v56, p267

Measurement of Methylmercury and Mercury in Run-Off, Lake and Rain Waters Water, Air, and Soil Pollution, Apr 91, v56, p309

Mercury in the Surface Water of Swedish Forest Lakes—Concentrations, Speciation and Controlling Factors Water, Air, and Soil Pollution, Apr 91, v56, p439

Mercury in Forest Canopy Throughfall Water and Its Relation to Atmospheric Deposition Water, Air, and Soil Pollution, Apr 91, v56, p553 Fluxes, Pools, and Turnover of Mercury in Swedish Forest Lakes Water, Air, and Soil Pollution, Apr 91, v56, p719

Liming and Reacidification Reactions of A Forest Lake Ecosystem, Lake Lysevatten, in SW Sweden Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p55

Riparian Zone as a Source of Phosphorus for a Groundwater-Dominated Lake Water Research, Apr 91, v25, n4, p409

Radon Dynamics in Swedish Dwellings: A Status Report
"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p5-41

Leaching Potential and Decomposition of Clopyralid in Swedish Soils Under Field Conditions Environmental Toxicology and Chemistry, 1991, v10, n5, p563

Knowledge and Risk Perception Among Nuclear Power Plant Employces Risk Analysis, Dec 91, v11, n4, p607

## Switzerland

Typing of Human, Animal, Food, and Environmental Isolates of *Listeria* monocytogenes by Multilocus Enzyme Electrophoresis Applied and Environmental Microbiology, Jun 91, v57, n6, p1624

A Field Study of Chemistry, S(IV) Oxidation Rates and Vertical Transport During Fog Conditions Atmospheric Environment, 1991, v25A, n2, p217

Aerosol and Hydrometeor Concentrations and Their Chemical Composition During Winter Precipitation Along a Mountain Slope—III. Size-Differentiated in-Cloud Scavenging Efficiencies Atmospheric Environment, 1991, v25A, n3/4, p809

Hydrophobic Organic Chemicals in Urban Fog Atmospheric Environment, 1991, v25A, n7, p1335 Influence of Temperature on Formation and Stability of Surface PAN and Ozone. A Two Year Field Study in Switzerland

Atmospheric Environment, 1991, v25A, n8, p1599

Trend Analysis of Tropospheric Ozone Concentrations Utilizing the 20-Year Data Set of Ozone Balloon Soundings over Payerne (Switzerland) Atmospheric Environment, 1991,

v25A, n9, p1739

Occurrence of Organotins in Municipal Wastewater and Sewage Sludge and Behavior in a Treatment Plant Environmental Science and Technol-

ogy, Mar 91, v25, n3, p489

Impact of Thermal Proofing of a Church on Its Indoor Air Quality: the Combustion of Candles and Incense as a Source of Pollution Science of the Total Environment, 1991, v102, p241

QSAR Analyses of Oxidation and Reduction Rates of Environmental Organic Pollutants in Model Systems Science of the Total Environment, 1991, v109/110, p327

Radon in Switzerland "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-31

A Mathematical Model of the Manganese Cycle in a Seasonally Anoxic Lake Limnology and Oceanography, Nov 91, v36, n7, p1415

## **Taiwan**

Dentine Lead and Child Intelligence in Taiwan Archives of Environmental Health, Nov/Dec 91, v46, n6, p351

Application of Fluidized Bed Combustion to Industrial Waste Treatment *Environmental Pollution*, 1991, v71 n1, p31

System Analysis of Water Treatment Plant in Taiwan Journal of Water Resources Planning and Management, Sep/Oct 91, v117, n5, p536 Cadmium and Lead Contamination of Soils near Plastic Stabilizing Materials Producing Plants in Northern Taiwan

Water, Air, and Soil Pollution, Aug 91, v57-58, p745

#### Tanzania

Test of Guidelines for Field Estimates of Water Retention Properties of Soils Derived from Volcanic Materials in Northern Tanzania Canadian Journal of Soil Science, Feb 91, v71, n1, p1

## Tennessee, Central

Parasitic and Phoretic Arthropods of Sylvatic and Commensal Whitefooted Mice (*Peromyscus leucopus*) in Central Tennessee, with Notes on Lyme Disease Journal of Parasitology, Apr 91, v77, n2, p219

## Tennessee, Chickamauga Reservoir

Factors Affecting Abundance of White Crappies in Chickamauga Reservoir, Tennessee, 1970-1989 North American Journal of Fisheries Management, Fall 91, V11, n4, p513

#### Tennessee, Eastern

2,3,7,8 Tetrachlorodibenzodioxin in Fish from the Pigeon River of Eastern Tennessee, USA: Its Toxicity and Mutagenicity as Revealed by the Ames Salmonella Assay Archives of Environmental Contamination and Toxicology, Apr 91, v20, n3, p366

#### Tennessee. Northwestern

Sediment Deposition in a Forested Inland Wetland with a Steep-Farmed Watershed Journal of Soil and Water Conservation, Jan-Feb 91, v46, n1, p64

## Tennessee, Oak Ridge

Atmospheric Concentrations and Deposition of Hg to a Deciduous Forest at Walker Branch Watershed, Tennessee, USA Water, Air, and Soil Pollution, Apr 91, v56, p577

#### Tennessee, Western

Hydrological Simulation of Tennessee's North Reelfoot Creek Watershed Research Journal of the Water Pollution Control Federation, 1991, v63, n1, p10

Channelization Effects on Obion River Flooding, Western Tennessee Water Resources Bulletin, Apr 91, v27, n2, p247

Degradation and Bound Residue Formation of Atrazine in a Western Tennessee Soil Environmental Toxicology and Chemistry, 1991, v10, n3, p335

Degradation and Bound Residue Formation of Four Atrazine Metabolites, Deethylatrazine, Deisopropylatrazine, Dealkylatrazine and Hydroxyatrazine, in a Western Tennessee Soil Environmental Toxicology and Chemistry, 1991, v10, n3, p347

#### **Texas**

Effects of Mercury, Selenium, and Organochlorine Contaminants on Reproduction of Forster's Terns and Black Skimmers Nesting in a Contaminated Texas Bay Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p32

Dissipation of Clopyralid and Picloram in Soil and Seep Flow in the Blacklands of Texas Journal of Environmental Quality, Jul-Sep 91, v20, n3, p528

Ambient Air Arsenic Levels Along the Texas-Mexico Border Journal of the Air and Waste Management Association, Jun 91, v41, n6, p827

Comparison of Bass-Club Tournament Reports and Creel Survey Data from Texas Reservoirs

North American Journal of Fisheries

Management, Spring 91, V11, n2, p177

Southern Pine Beetle Impacts and Control Policy in the 1982-1986 Texas Epidemic Southern Journal of Applied Forestry, Aug 91, v15, p145

Assessing Ground Water Pollution Potential from Nitrogen Fertilizer Using a Geographic Information System Water Resources Bulletin, Apr 91,

Water Resources Bulletin, Apr 91 v27, n2, p237

### Texas, Amarillo

Relationships of Cotton Dry Matter Production and Plant Structural Characteristics for Wind Erosion Modeling Journal of Soil and Water Conservation, Sep-Oct 91, v46, n5, p381

## Texas, Eastern

Susceptibility of Red-Cockaded Woodpecker Colony Areas to Southern Pine Beetle Infestation in East Texas Southern Journal of Applied Forestry, Aug 91, v15, p158

## Texas, Houston

An Analysis of the Trend in Ground-Level Ozone Using Non-Homogeneous Poisson Processes Atmospheric Environment, 1991, v25B, n3, p387

Seepage Control in Contaminated and Permeable Houston Clay: A Laboratory Study Hazardous Waste and Hazardous Materials, Winter 91, v8, n1, p17

Trace Metal Study of Sediment Samples Near Electrical Generating Facility

Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n4, p493

Static Leaching of Solidified/ Stabilized Hazardous Waste from the Solidtech Process Journal of the Air and Waste Management Association, Oct 91, v41, n10, p1348

#### Texas, Lower Colorado River

Drought Management Plan for Lower Colorado River in Texas Journal of Water Resources Planning and Management, Nov/Dec 91, v117, n6, p645

# Texas, McLennan County

Geologic Assessment of Radon-222 in McLennan County, Texas "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP9-45

#### Texas, Paris

Performance of an Overland Flow System Treating Food-Processing Wastewater Research Journal of the Water Pollution Control Federation, 1991, v63, n3, p266

# Texas, Southern

Doses and Residues of Acephate Baits Used to Eradicate Undesirable Honey Bees: A Hazard Assessment Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p422

A Comparison of Wing-Chisel Tillage with Conventional Tillage on Crop Yield, Resource Conservation, and Economics Journal of Soil and Water Conservation, Jan-Feb 91, v46, n1, p78

#### **Thailand**

Organochlorine Pesticide and Polychlorinated Biphenyl Residues in Foodstuffs from Bangkok, Thailand Environmental Pollution, 1991, v72 n3, p191

Process for the *In Situ* Restoration of Oil-contaminated Soils *Journal of Environmental Management*, Jan 91, v32, n1, p19

Effect of Tropical Environmental Conditions on Rice Kernel Breakage during Milling Journal of the Science of Food and Agriculture, 1991, v55, n4, p521

#### **Tigris River**

Comparative Study for Tigris River Water Quality/Ninevah District Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n2, p217

# Turkey

Assessing Perlite as a Sand Substitute in Filtration

American Water Works Association

Journal, Jun 91, v83, n6, p70

# **United Kingdom**

Pollutant, Plant and Pest Interactions: the Grain Aphid Sitobion avenae (F.) Agriculture, Ecosystems and Environment, Jan 91, v33, n3, p233

Effects of Atmospheric Sulphur Dioxide on Microbial Activity in Decomposing Forest Litter Agriculture, Ecosystems and Environment, Jan 91, v33, n3, p263

The Impact of 20 Years' Absence of Earthworms and Three Levels of N Fertilizer on a Grassland Soil Environment Agriculture, Ecosystems and Environment, Jun 91, v36, n1-2, p75

The Role of Biogenic Hydrocarbons in the Production of Ozone in Urban Plumes in Southeast England *Atmospheric Environment*, 1991, v25A, n2, p351

Evidence for a Decline in Rural Herbage Lead Levels in the U.K. Atmospheric Environment, 1991, v25A, n2, p361

Aerosol Climatology Measurements with a Nolan-Pollak Counter Atmospheric Environment, 1991, v25A, n3/4, p563

Measurements of Background Sulphur and Scavenging Ratios at a Site in the West of Northern Ireland Atmospheric Environment, 1991, v25A, n3/4, p699

Sequential Sampling of Particles, Major Ions and Total Trace Metals in Wet Deposition Atmospheric Environment, 1991, v25A, n3/4, p745

The Deposition of Selected Pollutants Adjacent to a Major Rural Highway Atmospheric Environment, 1991, v25A, n5/6, p979

Trace Elements in Daily Collected Aerosols at a Site in Southeast England Atmospheric Environment, 1991, v25A, n5/6, p985

Natural Hydrocarbon Emissions in the United Kingdom Atmospheric Environment, 1991, v25A, n7, p1403

The Importance of Orography in Spatial Patterns of Rainfall Acidity in Scotland Atmospheric Environment, 1991, v25A, n8, p1517

Scavenging Ratios and Deposition of Sulphur, Nitrogen and Chlorine Species in Eastern England Atmospheric Environment, 1991, v25A, n8, p1719

Meteorological and Altitudinal Influences on the Concentration of Ozone at Great Dun Fell Atmospheric Environment, 1991, v25A, n9, p1767

Measurements of Ozone and Other Radiatively Active Gases at Mace Head in the Republic of Ireland Atmospheric Environment, 1991, v25A, n9, p1795

Measurements of Gaseous Hydrogen Peroxide and PAN in Rural Southern England Atmospheric Environment, 1991, v25A, n9, p2039

Trends in Stone Weathering and Atmospheric Pollution at St. Paul's Cathedral, London, 1980-1990 Atmospheric Environment, 1991, v25A, n12, p2851

Battersea Power Station and Environmental Issues 1929-1989 Atmospheric Environment, 1991, v25B, n1, p143

A Diffusion Tube Survey of NO<sub>2</sub> Levels in Urban Areas of the U.K. Atmospheric Environment, 1991, v25B, n2, p255

Urban NO<sub>2</sub> Concentrations in the U.K. in 1987 *Atmospheric Environment*, 1991, v25B, n2, p267

Spatial Variations in Nitrogen Dioxide Concentrations in an Urban Area Atmospheric Environment, 1991, v25B, n3, p429

Phase Distribution and Particle Size Dependency of Polycyclic Aromatic Hydrocarbons in the Urban Atmosphere Chemosphere, 1991, v22 n5-6, p503

A Congener Specific Method for the Analysis of Polychlorinated Biphenyls (PCBs) in Human Milk Chemosphere, 1991, v23 n2, p119

Domestic Coal Combustion as a Source of PCDDs and PCDFs in the British Environment Chemosphere, 1991, v23 n3, p255

The Behaviour of Copper Complexation in Rivers and Estuaries: Two Studies in North East England *Chemosphere*, 1991, v23 n6, p695

Radionuclides and the Birds at Ravenglass Environmental Pollution, 1991, v70 n1, p1

Photosynthetic and Stomatal Conductance Responses of Norway Spruce and Beech to Ozone, Acid Mist and Frost—a Conceptual Model *Environmental Pollution*, 1991, v72 n1, p23

Air Pollution and Agricultural Aphid Pests. II. Chamber Filtration Experiments Environmental Pollution, 1991, v72 n1, p45

The Persistence of Polycyclic Aromatic Hydrocarbons (PAHs) in Sewage Sludge Amended Agricultural Soils Environmental Pollution, 1991, v72 n2, p141

Accumulation of Heavy Metals from Polluted Soils by the Earthworm, Lumbricus rubellus: Can Laboratory Exposure of 'Control' Worms Reduce Biomonitoring Problems? Environmental Pollution, 1991, v74 n1, p39

A Comparison of (Pb, Cd and Zn) Accumulation in Terrestrial Slugs Maintained in Microcosms: Evidence for Metal Tolerance Environmental Pollution, 1991, v74 n2, p115

Increases in the Polychlorinated Dibenzo-p-Dioxin and -furan Content of Soils and Vegetation Since the 1840s

Environmental Science and Technology, Sep 91, v25, n9, p1619

Lethal and Sub-Lethal Effects of Acid, Aluminium and Lime on Gammarus pulex during Repeated Simulated Episodes in a Welsh Stream Freshwater Biology, Feb 91, v25, n1, p169

Immobilization of Dissolved Organic Matter from Groundwater Discharging Through the Stream Bed *Freshwater Biology*, Aug 91, v26, n1, p45

The Influence of Chemistry and Habitat Features on the Microcrustacea of some Upland Welsh Streams Freshwater Biology, Dec 91, v26, n3, p439

The Effect of Tidal Fluctuation on a Coastal Aquifer in the UK *Ground Water*, Jul-Aug 91, v29, n4, p556

The Ecology of Dippers Cinclus cinchus in Relation to Stream Acidity in Upland Wales: Breeding Performance, Calcium Physiology and Nestling Growth Journal of Applied Ecology, Aug 91, v28, n2, p419

Development of Daphnid Communities in Diatom- and Cyanophyte-Dominated Lakes and Their Relevance to Lake Restoration by Biomanipulation

Journal of Applied Ecology, Aug 91, v28, n2, p586

Seasonal Variations in Radiocaesium Uptake by Reseeded Hill Pasture Grazed at Different Intensities by Sheep Journal of Applied Ecology, Dec 91, v28, n3, p947 Environmental Impacts of Channelization on the River Main, County Antrim, Northern Ireland Journal of Environmental Management, Mar 91, v32, n2, p127

A Framework for Monitoring, Modelling and Managing Water Quality in the Forth Estuary, Scotland Journal of Environmental Management, Dec 91, v33, n4, p311

Sheep-Dips as a Source of Pollution of Freshwaters—A Study in Grampian Region Journal of the Institution of Water and Environmental Management, Feb 91, v5, n1, p21

The Avalon Lakes: An Environmental Opportunity

Journal of the Institution of Water
and Environmental Management, Feb
91, v5, n1, p66

Mechanisms of Groundwater Pollution by Pesticides Journal of the Institution of Water and Environmental Management, Apr 91, v5, n2, p186

Environmental Impact Assessment and the Water Industry: Implications for Nature Conservation Journal of the Institution of Water and Environmental Management, Apr 91, v5, n2, p194

Design and Construction of Bellozanne Sludge-Treatment Plant, Jersey Journal of the Institution of Water and Environmental Management, Jun 91, v5, n3, p272

Agricultural Pollution: Control and Abatement in the Upper Thames Region Journal of the Institution of Water and Environmental Management, Jun 91, v5, n3, p318

Pesticides in Surface Waters and Groundwaters Journal of the Institution of Water and Environmental Management, Aug 91, v5, n4, p389

A Pilot UK Evaluation of a Rapid Defined Substrate Method for Enumeration of Total Coliforms and Escherichia coli in Water Journal of the Institution of Water and Environmental Management, Aug 91, v5, n4, p413

Water Quality Implications of an Observed Trend of Rainfall and Runoff

Journal of the Institution of Water and Environmental Management,
Aug 91, v5, n4, p419

Cyanobacterial (Blue-Green Algal) Toxins and their Significance in UK and European Waters Journal of the Institution of Water and Environmental Management, Aug 91, v5, n4, p460

New Treatment Processes for Pesticides and Chlorinated Organics Control in Drinking Water Journal of the Institution of Water and Environmental Management, Aug 91, v5, n4, p466

Contaminated Land: Implications for Water Pollution

Journal of the Institution of Water and Environmental Management, Oct 91, v5, n5, p529

The Occurrence of Coliform Bacteria in the Surface Soils of Two Catchment Areas in the Yorkshire Dales

Journal of the Institution of Water and Environmental Management, Oct 91, v5, n5, p534

Design and Construction of an Ion-Exchange Denitrification Plant in South Staffordshire Journal of the Institution of Water and Environmental Management, Oct 91, v5, n5, p566

Environmental Implications of Treatment of Coastal Sewage Discharges Journal of the Institution of Water and Environmental Management, Oct 91, v5, n5, p573

Identification, Investigation and Assessment of Contaminated Land Journal of the Institution of Water and Environmental Management, Dec 91, v5, n6, p617 Ultra-Violet Disinfection of Sewage Effluents: A Pilot Study at Bellozanne, Jersey Journal of the Institution of Water and Environmental Management, Dec 91, v5, n6, p649

The Roadford Scheme: Minimizing Environmental Impact on Affected Catchments

Journal of the Institution of Water and Environmental Management, Dec 91, v5, n6, p671

English Nature's Concerns for the Aquatic Environment

Journal of the Institution of Water
and Environmental Management, Dec
91, v5, n6, p703

Effects of Long-term Herbicide Use, Irrigation and Nitrogen Fertiliser on Soil Fertility in an Apple Orchard Journal of the Science of Food and Agriculture, 1991, v55, n3, p377

Review of Fertiliser and Herbicide Use in UK Tree Crop Systems Journal of the Science of Food and Agriculture, 1991, v57, n1, p1

Effects of Husbandry Practices on the Seed Yield and Oil Content of Linseed in Northern Scotland Journal of the Science of Food and Agriculture, 1991, v57, n2, p189

The Behaviour of Heavy Metals in Sewage Sludge-Amended Soils Science of the Total Environment, 1991, v100, p151

The Impact of Heavy Metals on Lowland Rivers and the Implications for Man and the Environment Science of the Total Environment, 1991, v100, p207

The Long-Term Persistence of Polynuclear Aromatic Hydrocarbons (PAHs) in an Agricultural Soil Amended with Metal-Contaminated Sewage Sludges Science of the Total Environment, 1991, v101, p235

The Radioecological Consequences for Lowland Pastures Used to Fatten Upland Sheep Contaminated with Radiocacsium Science of the Total Environment, 1991, v103, p73

Selenium Cycling Through Agricultural Grasslands in the UK: Budgeting the Role of the Atmosphere Science of the Total Environment, 1991, v103, p89

Radioactivity in Environmental Samples Taken in the Sellafield, Ravenglass and Morecambe Bay Areas of West Cumbria Science of the Total Environment, 1991, v105, p211

Environment and Health—an Introduction Science of the Total Environment, 1991, v106, p1

Pollution of UK Estuaries: Historical and Current Problems
Science of the Total Environment,
1991, v106, p55

A Charter for the Environment Science of the Total Environment, 1991, v106, p175

The QSAR Prediction of Melting Point, A Property of Environmental Relevance Science of the Total Environment, 1991, v109/110, p59

Biological Significance of Antimony in Contaminated Grassland Water, Air, and Soil Pollution, Aug 91, v57-58, p193

Soil Heavy Metal Concentrations and Erosion Damage in Upland Grasslands in the Pennines, England Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p81

Long-Term Changes in the Cu, Pb, and Zn Content of Forest Soil Organic Horizons from North-East Scotland Water, Air, and Soil Pollution, Sep 91, v59, n1/2, p179

The Gammarus: Asellus Ratio as an Index of Organic Pollution Water Research, Mar 91, v25, n3, p333

Seasonal Changes in the Sanitary Bacterial Quality of Water Draining a Small Upland Catchment in the Yorkshire Dales Water Research, Apr 91, v25, n4, p447 Chemical Partitioning and Remobilization of Heavy Metals from Sewage Sludge Dumped in Dublin Bay Water Research, Oct 91, v25, n10, p1193

Anaerobic Biodegradation of Industrial Solvents—The Case of Acetone and Iso-Propanol "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p387

A Study into the Effect of a Series of Shocks on a Pilot-Scale Anaerobic Filter "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p451

Afforestation in Britain—A Commentary
"Proceedings of the International
Workshop on Large Scale Reforestation," p69

The UK Radon Programme "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p1-29

Physical Characteristics of the Ambient Aerosol at Mace Head *Atmospheric Environment*, 1991, v25A, n3/4, p557

#### **United States**

Is Remediated Groundwater Meeting SDWA Requirements?

American Water Works Association

Journal, Mar 91, v83, n3, p55

Radioactivity in Water Treatment Wastes: A USEPA Perspective American Water Works Association Journal, Apr 91, v83, n4, p134

Effectiveness of Natural Polyelectrolytes in Water Treatment

American Water Works Association

Journal, Oct 91, v83, n10, p88

Prevention of Waterborne Cholera in the United States American Water Works Association Journal, Nov 91, v83, n11, p40

Immunochemical Assessment of Mycotoxins in 1989 Grain Foods: Evidence for Deoxynivalenol (Vomitoxin) Contamination Applied and Environmental Microbiology, Mar 91, v57, n3, p672

Detection of Giardia Cysts with a cDNA Probe and Applications to Water Samples Applied and Environmental Microbiology, Apr 91, v57, n4, p927

Detection of Coliform Bacteria and Escherichia coli by Multiplex Polymerase Chain Reaction: Comparison with Defined Substrate and Plating Methods for Water Quality Monitoring Applied and Environmental Microbiology, Aug 91, v57, n8, p2429

Occurrence of Giardia and Cryptosporidium spp. in Surface Water Supplies Applied and Environmental Microbiology, Sep 91, v57, n9, p2610

Giardia and Cryptosporidium spp. in Filtered Drinking Water Supplies Applied and Environmental Microbiology, Sep 91, v57, n9, p2617

Regional Variations in Human Toxics Exposure in the USA: An Analysis Based on the National Human Adipose Tissue Survey Archives of Environmental Contamination and Toxicology, Aug 91, v21, n2, p159

Radiological Abnormalities Among Sheet-Metal Workers in the Construction Industry in the United States and Canada: Relationship to Asbestos Exposure Archives of Environmental Health,

Jan/Feb 91, v46, n1, p30

Selenium in Forage Crops and Cancer Mortality in U.S. Countries Archives of Environmental Health, Jan/Feb 91, v46, n1, p37

Silicosis and Lung Cancer in U.S. Metal Miners Archives of Environmental Health, Mar/Apr 91, v46, n2, p82

Ozone, Sulphur Dioxide, and Nitrogen Dioxide Trends at Rural Sites Located in the United States

Atmospheric Environment, 1991, v25A, n2, p491

Comparison of Annular Denuder and Filter Pack Collection of HNO<sub>3</sub> (g), HNO<sub>2</sub> (g), SO<sub>2</sub> (g), and Particulate-Phase Nitrate, Nitrite and Sulfate in the South-West Desert Atmospheric Environment, 1991, v25A, n8, p1537

Co-Occurrence of Ozone and Wet Deposited Hydrogen Ion in the **United States** Atmospheric Environment, 1991, v25A, n12, p2707

Extraction of Four Chlorophenoxy Acid Herbicides and Picloram from Surface Wipes Bulletin of Environmental Contamination and Toxicology, Mar 91, v46, n3, p392

Characteristics of Municipal Solid Waste Incinerator Fly Ash Promoting the Formation of Polychlorinated **Dioxins** Chemosphere, 1991, v22 n5-6, p473

Prevalence of Asbestos in Sewage Sludges from 51 Large and Small Cities in the United States Chemosphere, 1991, v22 n9-10, p963

Synthesis of Polychlorinated Dioxins over MSW Incinerator Fly Ash to Identify Catalytic Species Chemosphere, 1991, v23 n7, p831

Status of Polyhalogenated Dibenzo-pdioxin/Dibenzofuran Testing and Reporting under the Toxic Substances Control Act (TSCA) Chemosphere, 1991, v23 n8-10, p1125

Quality Assurance Concerns and Difficulties in PCDD/PCDF Analyses: Experiences from the U.S. Pulp and Paper Industry Chemosphere, 1991, v23 n8-10, p1131

Atmospheric CO, Concentrations within a Mixed Forest: Implications for Seedling Growth Ecology, Feb 91, v72, n1, p12

Greenhouse Effect and Coastal Wetland Policy: How Americans Could Abandon an Area the Size of Massachusetts at Minimum Cost Environmental Management, Jan/Feb 91, v15, n1, p39

Comparative Analysis of Air Pollution Emissions by Electric Utilities: **Public Policy Implications** Environmental Management, Sep/Oct 91, v15, n5 p635

Inadequacy of NASQAN Data for Assessing Metal Trends in the Nation's Rivers Environmental Science and Technology, Jun 91, v25, n6, p1137

Survey of Potable Water Supplies for Cryptosporidium and Giardia Environmental Science and Technology, Aug 91, v25, n8, p1393

Influence of the Environment on the Patina of the Statue of Liberty Environmental Science and Technology, Aug 91, v25, n8, p1400

Ground Water Contamination at Wood Treatment Facilities Ground Water Monitoring Review, Winter 91, v11, n1, p133

Small-Scale Retrospective Ground Water Monitoring Study for Simazine in Different Hydrogeological Settings Ground Water Monitoring Review, Summer 91, v11, n3, p173

The Dechloroination of Used Oil **Products** Hazardous Waste and Hazardous Materials, Winter 91, v8, n1, p55

A Comparison of the CERCLA Response Program and the RCRA Corrective Action Program Hazardous Waste and Hazardous Materials, Spring 91, v8, n2, p161

Treatment of Explosives Contaminated Lagoon Sludge Hazardous Waste and Hazardous Materials, Fall 91, v8, n4, p319

Minimization of Combustion By-Products: Regulatory Framework Hazardous Waste and Hazardous Materials, Fall 91, v8, n4, p367

Bacterial Mutagenicity of Municipal Sewage Sludges Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n3, p395

Highlights of the Clean Air Act Amendments of 1990 Journal of the Air and Waste Management Association, Jan 91, v41, n1, p16

Issues and Trends in Electrostatic Precipitation Technology for U.S. Utilities

Journal of the Air and Waste Management Association, Feb 91, v41, n2, p222

Optimizing Sensitivity of SIM Mode of GC/MS Analysis for EPA's TO-14 Air Toxics Method Journal of the Air and Waste Management Association, Mar 91, v41, n3, p287

Overview and Update of the Superfund Innovative Technology Evaluation (SITE) Demonstration Program Journal of the Air and Waste Management Association, Mar 91, v41, n3, p344

Technological Innovation in Hazardous Waste Remediation

Journal of the Air and Waste Management Association, Mar 91, v41, n3, p347

Spatial and Temporal Variability of Ozone Exposure in Forested Areas of the United States and Canada: 1978-1988

Journal of the Air and Waste Management Association, May 91, v41, n5, p694

Designing Treatability Studies for CERCLA Sites: Three Critical Issues Journal of the Air and Waste Management Association, May 91, v41, n5, p763

Waste Reduction Technology Evaluations of the U.S. EPA WRITE Program Journal of the Air and Waste Management Association, Aug 91, v41, n8, p1122 Water Supplies and Nationwide Drought of 1988 Journal of Water Resources Planning and Management, Jul/Aug 91, v117, n4, p460

Measuring the Costs of Improving the Quality of the Environment in the United States Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p355

Long Term Monitoring of Amphibian Populations with Respect to the Effects of Acidic Deposition Water, Air, and Soil Pollution, Feb 91, v55, n3/4, p445

Drought Planning: A Process for State Government Water Resources Bulletin, Feb 91, v27, n1, p29

Problem of Nonpoint Source Agricultural Water Pollution: Toward a Hypothetical Federal Legislative Solution Water Resources Bulletin, Jun 91, v27, n3, p447

Pesticide Container Management in the United States "Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p144

The U.S. DOE Radon Research Program: A Different Viewpoint "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p1-41

Policies and Progress of EPA's Radon Action Program (Abstract) "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p1-53

Radon in Federal Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p6-23

Preliminary Radon Potential Map of the United States "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p9-13

Seasonal Variation in Short-term and Long-term Radon Measurements in Schools

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-3

Diagnostic Evaluations of Twenty-six U.S. Schools—EPA's School Evaluation Program "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-25

American Lung Association's Radon Public Information Program "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL1-5

Radon Media Campaign "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL1-13

Relationship Between Two-day Screening Measurements of Radon-222 and Annual Living Area Averages in Basement and Nonbasement Houses

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pPNL3-33

EPA Radon Policy and Its Effects on the Radon Industry "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP1-5

EPA's National Radon Contractor Proficiency Program "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP1-13

Draft Guidance to States on Radon Certification Programs "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP1-23

National Radon Measurement Proficiency (RMP) Program "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP1-45 Results of the Nationwide Screening for Radon in DOE Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP6-37

Quality Assurance—The Key to Successful Radon Programs in the 1990's

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP7-3

National Ambient Radon Study "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP9-79

Major Renovation of Public Schools that Includes Radon Prevention: A Case Study of Approach, System Design and Installation, and Problems Encountered

"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-41

Planning and Implementing the National School Radon Survey "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP10-53

Pollution Prevention Research Within the Federal Community "Remedial Action, Treatment, and Disposal of Hazardous Waste: Proceedings of the Seventeenth Annual RREL Hazardous Waste Research Symposium," p238

Cancer Fatalities from Waterborne Radon (Rn-222) Risk Analysis, Mar 91, v11, n1, p135

Public Perception of the Risks of Floods: Implications for Communication

Pigle Analysis Lyn 01 at 11 at 2 a 255

Risk Analysis, Jun 91, v11, n2, p255

General Deterrance of Drunk Driving: Evaluation of Recent American Policies *Risk Analysis*, Jun 91, v11, n2, p279

Predicting EPA's Forthcoming CO Standards in Light of New Clinical Evidence Risk Analysis, Jun 91, v11, n2, p325 A Note on the Influence of Rail Defects on the Risk Associated with Shipping Hazardous Materials by Rail

Risk Analysis, Jun 91, v11, n2, p333

Human Health Risks Associated with Asbestos Abatement Risk Analysis, Sep 91, v11, n3, p465

Estimating the Value of Avoiding Morbidity and Mortality from Foodborne Illnesses *Risk Analysis*, Dec 91, v11, n4, p619

Planning Replacement of Natural Gas Distribution Systems Under Constraints on Acceptable Risk from Explosions Risk Analysis, Dec 91, v11, n4, p677

A Survey and Analysis of States' Methodologies for Deriving Drinking Water Guidelines for Chemical Contaminants

Regulatory Toxicology and Pharmacology, Feb 91, v13, n1, p18

Airborne Concentrations of Asbestos in 71 School Buildings Regulatory Toxicology and Pharmacology, Feb 91, v13, n1, p99

Standard Setting Processes and Regulations for Environmental Contaminants in Drinking Water: State versus Federal Needs and Viewpoints Regulatory Toxicology and Pharmacology, Jun 91, v13, n3, p293

Conservatism in Maximally Exposed Individual (MEI) Predictive Exposure Assessments: A First-Cut Analysis Regulatory Toxicology and Pharmacology, Oct 91, v14, n2, p107

# United States, Chesapeake Bay

Nutrients and Chlorophyll at the Interface of a Watershed and an Estuary Limnology and Oceanography, Mar 91, v36, n2, p251

Time-dependent Coupling of Inorganic and Organic Nitrogen Uptake and Regeneration in the Plume of the Chesapeake Bay Estuary and its Regulation by Large Hetertrophs Limnology and Oceanography, Jul 91, v36, n5, p895

# United States, Eastern

Erythrocyte Micronuclei in Winter Flounder (Pseudopleuronectes americanus): Results of Field Surveys during 1980-1988 from Virginia to Nova Scotia and in Long Island Sound Archives of Environmental Contamination and Toxicology, May 91, v20, n4, p474

The Impact of Changing Regional Emissions on Precipitation Chemistry in the Eastern United States Atmospheric Environment, 1991, v25A, n2, p305

A Synoptic Climatological Analysis of Winter Visibility Trends in the Mideastern United States Atmospheric Environment, 1991, v25B, n2, p165

Relative Humidity Predictor Equations Based on Environmental Factors *Atmospheric Environment*, 1991, v25B, n3, p435

Chemical Residues in Dolphins from the U.S. Atlantic Coast Including Atlantic Bottlenose Obtained during the 1987/88 Mass Mortality Chemosphere, 1991, v22 n11, p1071

Co-Occurrence of Ozone and Acidic Cloudwater in High-Elevation Forests Environmental Science and Technology, Jul 91, v25, n7, p1325

A Synthesis of Water Quality and Contaminants Data for the Atlantic Menhaden, Brevoortia tyrannus: Implications for Chesapeake Bay Journal of Environmental Science and Health—Environmental Science and Engineering, 1991, vA26, n8 p1513

A Reanalysis of Data Supporting U.S. Federal Bacteriological Water Quality Criteria Governing Marine Recreational Waters

Research Journal of the Water

Pollution Control Federation, 1991, v63, n3, p259

Evaluation of Procedures for Aggregating Nonlinear Sulfate Adsorption Isotherm Data

Soil Science Society of America

Journal, May/Jun 91, v55, n3, p684

Air-Drying and Pretreatment Effects on Soil Sulfate Sorption Soil Science Society of America Journal, Jul/Aug 91, v55, n4, p968

Antidegradation Water Quality Criteria for the Delaware River: A Distribution-Free Statistical Approach Water Resources Bulletin, Aug 91, v27, n4, p593

The Effects of Sea Salts on the Forms of Nitrogen Released from Estuarine and Freshwater Sediments: Does Ion Pairing Affect Ammonium Flux? Estuaries, Jun 91, v14, n2, p157

Relationship Between Aboveground and Belowground Biomass of Spartina alterniflora (Smooth Cordgrass) Estuaries, Jun 91, v14, n2, p180

#### United States, Great Plains

Stable Carbon Isotopic Composition of Carbonate in Holocene Grassland Soils

Soil Science Society of America

Journal, Nov/Dec 91, v55, n6, p1651

## United States, Midwestern

Tropospheric OH Concentration Measurements by Laser Long-Path Absorption Spectroscopy Atmospheric Environment, 1991, v25A, n9, p2017

Use of Wetlands for Water Quality Improvement under the USEPA Region V Clean Lakes Program Environmental Management, Mar/ Apr 91, v15, n2 p151

The Utility of Multiple-Completion Monitoring Wells for Describing a Solvent Plume Ground Water Monitoring Review, Spring 91, v11, n2, p153

A Large-Scale Retrospective Ground Water Monitoring Study for Metolachlor Ground Water Monitoring Review, Summer 91, v11, n3, p104

The Geochemistry of Boron in a Landfill Monitoring Program Ground Water Monitoring Review, Fall 91, v11, n4, p139

Land User Attitudes Toward Implementation of Conservation Compliance Farm Plans

Journal of Soil and Water Conservation, Sep-Oct 91, v46, n5, p365

Pilot Testing and Design of an Activated Sludge System for Refinery Wastewater "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p655

Steel Mill Scale De-Oiling: A New Waste Minimization Process "Proceedings of the Forty-fifth Industrial Waste Conference, May 8, 9, 10, 1990, Purdue University," p759

#### United States, Northeastern

An Examination of Urban Ozone Trends in the Northeastern U.S. (1973-1983) Using a Robust Statistical Method Atmospheric Environment, 1991, v25B, n1, p47

Results of an Investigation of an Old Manufacturing Facility for Levels of Polychlorinated Dibenzofurans and Polychlorinated Dibenzodioxins *Chemosphere*, 1991, v23 n8-10, p1001

Accelerated Deacetylation of Cellulose Acetate by Metal Salts with Aqueous Chlorine Research Journal of the Water Pollution Control Federation, 1991, v63, n2, p177

Multivariate Trend Testing of Lake Water Quality Water Resources Bulletin, Jun 91, v27, n3, p461

Downstream Injection Equipment for Sprayers and Fertilizer Spreaders "Proceedings of the International Workshop on Research in Pesticide Treatment/Disposal/Waste Minimization," p157

#### United States, Northwestern

STEEP: A Regional Model for Environmental Research and Education

Journal of Soil and Water Conservation, Jul-Aug 91, v46, n4, p245 Sulfate, Aluminum, Iron, and pH Relationships in Four Pacific-Northwest Forest Subsoil Horizons Soil Science Society of America Journal, May/Jun 91, v55, n3, p837

Operational Considerations for Large-Scale Reforestation Programs: A Pacific Northwest Perspective "Proceedings of the International Workshop on Large Scale Reforestation," p1

#### United States, Savannah River

Spatial Distributions of the Softstem Bulrush, *Scirpus validus*, Across a Salinity Gradient *Estuaries*, Jun 91, v14, n2, p192

## United States, Southern

A Brief History of Forest Management in the American South: Implications for Large-Scale Reforestation to Slow Global Warming "Proceedings of the International Workshop on Large Scale Reforestation," p53

## United States, Southeastern

Carbohydrate Signatures of Aquatic Macrophytes and Their Dissolved Degradation Products as Determined by a Sensitive High-Performance Ion Chromatography Method Applied and Environmental Microbiology, Nov 91, v57, n11, p3135

Paleozoic Granites in the Southeastern United States as Sources of Indoor Radon (Visuals only) "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP9-23

Distribution of Terrestrially Derived Dissolved Organic Matter on the Southeastern U.S. Continental Shelf Limnology and Oceanography, Sep 91, v36, n6, p1134

### United States, Southwestern

Predicting Atmospheric Debris Transport in Real-Time Using a Trajectory Forecast Model Atmospheric Environment, 1991, v25A, n8, p1705 Biological Input to Visibility-Reducing Aerosol Particles in the Remote Arid Southwestern United States

Environmental Science and Technology, Apr 91, v25, n4, p684

The Effects of Ozonation and Activated Carbon Adsorption on Trihalomethane Speciation Water Research, Feb 91, v25, n2, p191

## United States, Western

Diurnal Curves of Tropospheric Ozone in the Western United States Atmospheric Environment, 1991, v25A, n8, p1577

Future Water Issues: Confrontation or Compromise Journal of Soil and Water Conservation, Mar-Apr 91, v46, n2, p96

Equitable Apportionment between Nevada and California Journal of Water Resources Planning and Management, Mar/Apr 91, v117, n2, p253

## **USSR**

General Aspects of Water Re-Use in the USSR Desalination, 1991, v81, p282

#### Utah

Respiratory Hospital Admissions Associated with PM<sub>10</sub> Pollution in Utah, Salt Lake, and Cache Valleys Archives of Environmental Health, Mar/Apr 91, v46, n2, p90

## Utah, Salt Lake County

Pilot Study on Treatment of Surface Water for Groundwater Injection American Water Works Association Journal, Dec 91, v83, n12, p56

#### Vermont

An Evaluation of Nitrogen Mineralization Indices for Organic Residues Journal of Environmental Quality, Apr-Jun 91, v20, n2, p368

The Practice of Combined Sewer System Modeling Water Resouces Bulletin, Mar-Apr 91, v27, n2, p189

# Virginia

Impact of Water Column Acidification on Protozoan Bacterivory at the Lake Sediment-Water Interface Applied and Environmental Microbiology, Mar 91, v57, n3, p775

HVAC System Complications and Controls for Radon Reduction in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-85

Correlation of Soil Radon Availability Number with Indoor Radon and Geology in Virginia and Maryland (Visuals only)
"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," pP8-33

## Virginia, Alexandria

Making Cleanup Decisions at Hazardous Waste Sites: The Clean Sites Approach Journal of the Air and Waste Management Association, Sep 91, v41, n9, p1172

# Virginia, Chesapeake Bay

Clay Mineral Distributions and Source Discrimination of Upper Quaternary Sediments, Lower Chesapeake Bay, Virginia Estuaries, Mar 91, v14, n1, p29

#### Virginia, Northern

A 2-Year Study of Seasonal Indoor Radon Variations in Northern Virginia Journal of Toxicology and Environmental Health, 1991, v33, n2, p115

#### Virginia, Rappahannock River

Spatial and Temporal Variabilities of Hypoxia in the Rappahannock River, Virginia *Estuaries*, Jun 91, v14, n2, p113

## Virginia, Shenandoah National Park

Modeling the Hydrogeochemical Response of a Stream to Acid Deposition Using the Enhanced Trickle-Down Model Research Journal of the Water Pollution Control Federation, 1991, v63, n3, p220

# Virginia, Waynesboro

Compartmentalization of Mercury in Biotic Components of Terrestrial Flood Plain Ecosystems Adjacent to the South River at Waynesboro, Virginia Water, Air, and Soil Pollution, Aug 91, v57-58, p159

# Virginia, Whitetop Mountain

Estimating Cloud Water Deposition to Subalpine Spruce-Fir Forests—II. Model Testing *Atmospheric Environment*, 1991, v25A, n5/6, p1105

# Washington

Effects of Time and Watershed Characteristics on the Concentration of *Cryptosporidium* Oocysts in River Water

Applied and Environmental Microbiology, Oct 91, v57, n10, p2790

Effectiveness of Radon Control Techniques in Fifteen Homes Journal of the Air and Waste Management Association, May 91, v41, n5, p723

Washington State's Innovative Grant: Community Support Radon Action Team for Schools "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p7-3

HVAC System Complications and Controls for Radon Reduction in School Buildings "Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-85

## Washington, Hood Canal

Effect of Prudhoe Bay Crude Oil on the Homing of Coho Salmon in Marine Waters North American Journal of Fisheries Management, Spring 91, V11, n2, p160

# Washington, Northwestern

Canopy and Soil Modification of Precipitation Chemistry in a Temperate Rain Forest Soil Science Society of America Journal, Nov/Dec 91, v55, n6, p1685

## Washington, Padilla Bay

Caprellid Amphipods: Fast Food for the Reproductively Active Journal of Experimental Marine Biology and Ecology, 1991, v148, n1, p27

## Washington, Pullman

Serological Survey for Heartworm (Dirofilaria immitis) in Dogs in Washington Journal of Parasitology, Oct 91, v77, n5, p800

# Washington, San Juan Archipelago

Direct and Indirect Effects of Nutrients on Intertidal Community Structure: Variable Consequences of Seabird Guano Journal of Experimental Marine Biology and Ecology, 1991, v151, n2, p139

# Washington, Seattle

Infectious Waste Disposal Journal of Environmental Health, May/Jun 91, v53, n6, p21

## Washington, Soap Lake

Hydrogen Gas Production by an Ectothiorhodospira vacuolata Strain Applied and Environmental Microbiology, Fcb 91, v57, n2, p594

#### Washington, Whatcom County

Temporal Variation of Ethylene Dibromide (EDB) in an Unconfined Aquifer, Whatcom County, Washington, USA: A Twenty-Seven Month Study Bulletin of Environmental Contamination and Toxicology, Sep 91, v47, n3, p368

#### Washington, D.C.

Environmental Hazard and Risk Assessment under the United States Toxic Substances Control Act Science of the Total Environment, 1991, v109/110, p649

Radon Diagnosis in a Large Commercial Office Building
"Proceedings: The 1991 International Symposium on Radon and Radon Reduction Technology," p10-105

Protective Responses to Household Risk: A Case Study of Radon Mitigation Risk Analysis, Mar 91, v11, n1, p121

Evaluation of the Carcinogenic Potential of Pesticides. 3. Aliette Regulatory Toxicology and Pharmacology, Aug 91, v14, n1, p3

#### **West Indies**

Environmental Influences on the Growth and Survival of West Indian Spider Crabs *Mithrax spinosissimus* (Lamarck) in Culture *Journal of Experimental Marine Biology and Ecology*, 1991, v146, n1, p27

# West Virginia, Kanawha Valley

Source-Receptor Study of Volatile Organic Compounds and Particulate Matter in the Kanawha Valley, WV— I. Methods and Descriptive Statistics Atmospheric Environment, 1991, v25B, n1, p79

Source-Receptor Study of Volatile Organic Compounds and Particulate Matter in the Kanawha Valley, WV—II. Analysis of Factors Contributing to VOC and Particle Exposures *Atmospheric Environment*, 1991, v25B, n1, p95

#### West Virginia, North Central

Characterization of Ozone During Consecutive Drought and Wet Years at a Rural West Virginia Site Journal of the Air and Waste Management Association, Nov 91, v41, n11, p1450

#### Wisconsin

Polychlorinated Biphenyl Congeners in Blood of Wisconsin Sport Fish Consumers Archives of Environmental Contamination and Toxicology, Jan 91, v20, n1, p56

Chemometric Comparison of Polychlorinated Biphenyl Residues and Toxicologically Active Polychlorinated Biphenyl Congeners in the Eggs of Forster's Terns (Sterna fosteri)

Archives of Environmental Contamination and Toxicology, Feb 91, v20, n2, p183

Environmental Factors Influencing Chlorophyll v. Nutrient Relationships in Lakes Freshwater Biology, Apr 91, v25, n2, p279

An Analysis of Nitrate-Nitrogen in Ground Water Beneath Unsewered Subdivisions Ground Water Monitoring Review, Winter 91, v11, n1, p141

Reduction of Dissolved Oxygen Concentration in Wisconsin Streams during Summer Runoff: Journal of Environmental Quality, Apr-Jun 91, v20, n2, p445

Impact of Acidification on the Methylmercury Cycle of Remote Seepage Lakes Water, Air, and Soil Pollution, Apr 91, v56, p477

## Wisconsin, Central

Tritium as an Indicator of Ground-Water Age in Central Wisconsin *Ground Water*, May-Jun 91, v29, n3, p398

#### Wisconsin, Door Peninsula

Ground-Water Discharge to Lakes: Focusing in Embayments *Ground Water*, Jan-Feb 91, v29, n1, p72

#### Wisconsin, Eau Galle Reservoir

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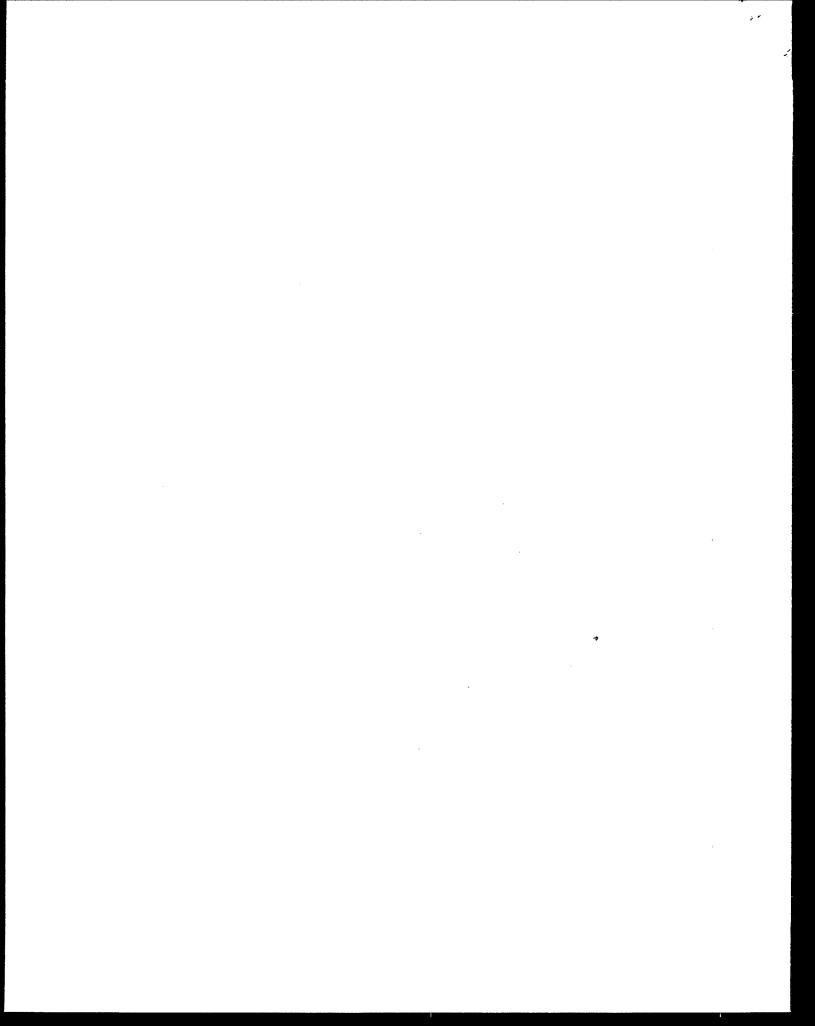
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Direct and Indirect Effects of Nutrients on Intertidal Community Structure: Variable Consequences of Seabird Guano. Journal of Experimental Marine Biology and Ecology, 1991, v151, n2, p139

Effect of Temperature on Carbon, Nitrogen and Phosphorus Turnover by the Solitary Ascidian *Herdmania* momus (Savigny) Journal of Experimental Marine Biology and Ecology, 1991, v152, n1, p15

Re-Establishment of *Melampus bidentatus* (Say) and Other Macroinvertebrates on a Restored Impounded Tidal Marsh: Comparison of Populations Above and Below the Impoundment Dike *Journal of Experimental Marine Biology and Ecology*, 1991, v152, n1, p33

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